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COOPERATIVE RURAL HEALTH WORK OF THE PUBLIC HEALTH SERVICE IN THE FISCAL YEAR 1922.

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The results of the cooperative rural health work of the Public Health Service in the fiscal year ended June 30, 1922, were entirely in support of the conclusions in the reports on this activity in the fiscal years 1920¹ and 1921.²

The amounts specifically appropriated by Congress for Special Studies of and Demonstration Work in Rural Sanitation and made available for the cooperative rural health work of the Public Health Service have been as follows:

Fiscal year.	Amount.
1917.....	\$25,000
1918.....	150,000
1919.....	150,000
1920.....	50,000
1921.....	50,000
1922.....	50,000

In view of the need of health service in our rural communities generally and the proved practicability, effectiveness, and economy of the plan which had been followed for the several previous years, it appeared that an enlargement of the scale of activities of the Public Health Service in cooperative rural health work in the fiscal year 1922 would be warranted. The demonstrations in the fiscal years 1920 and 1921, though good as far as they went, did not cover enough ground to make much impression upon the general situation. The estimate of appropriation made by the Bureau of the Public Health Service and approved by the Treasury Department and submitted to Congress "for special studies of and demonstration work in rural sanitation" in the fiscal year 1922 was \$500,000. The amount appropriated, \$50,000, enabled the Public Health Service to meet but a small proportion of the requests from State and local authorities for cooperation in the development of demonstration projects.

¹ Page 15, Reprint No. 615 from Public Health Reports, Oct. 1, 1920.

² Page 17, Reprint No. 699 from Public Health Reports, Oct. 7, 1921.

At the termination of the fiscal year 1921, \$13,754.72, unexpended under contracts made during that year, remained available. This amount, with the \$50,000 appropriated, made \$63,754.72 available for the cooperative rural health work of the Public Health Service in the fiscal year beginning July 1, 1921. Of this sum, \$44,816.04 was expended under allotments for cooperative projects in counties and \$5,630.26 was expended for administration, supervision of local projects, and special studies of the problem of rural sanitation. The unexpended balance of the total sum available was included in allotments to some of the cooperative projects which, because of various local circumstances, could not be completed by the end of the fiscal year. With the existing difference between the Federal fiscal year and the fiscal years of some of the States and localities in which the work is done, it would not be practicable, without lessening the degree of economy in administration striven for, to arrange contracts so that the allotment of Federal funds to every project would be expended exactly by the end of the Federal fiscal year.

During the fiscal year 1922, cooperative projects were carried out in 56 counties (or districts comparable to counties) in 16 States. The total expenditure for the support of the local projects was \$406,276.78. Of this sum an aggregate of \$284,839.85 was provided from State, county, and municipal governmental sources; \$76,620.89 from civic sources, such as local health associations, local Red Cross chapters, and the International Health Board; and \$44,816.04 from the rural sanitation funds of the Public Health Service. Thus this investment of Federal funds was met with odds of over 8 to 1 for the support of the work. The proportion of the expenses covered with funds from local sources is significant. It gives some idea of the stimulating effect of the cooperation of the Federal Government and suggests what might be accomplished without unnecessary and disastrous delay in this vitally important nation-wide field if sufficient funds were made available for the purpose to enable the Federal Government to extend this plan of cooperation in the rural health business to a reasonably adequate degree.

The amounts of money expended from the different sources for the support of the projects and the scope and the results of the work are presented in the accompanying tabular statement.

Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1922.

Counties (or districts).....	Arlington, Va.	Bell County, Ky.	Cape Cod Health District, Massa- chusetts.	Cape Gardner, Mo.	Cascade, Mont.	Chaves, N. Mex.	Cherokee, Kans.	Clarke, Ga.	Colbert, Ala.	Cum- berland, N. C.	Dubuque, Iowa.
Period of work in fiscal year 1922.....	July 1, 1921, to June 30, 1922.	Jan. 1, 1922, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to Dec. 20, 1921.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.
Expenditures:											
(a) Rural sanitation fund (P. H. S.).....	\$2,394.92	\$362.00	\$2,490.96	\$500.00	\$3,072.57	\$450.00	\$300.00	\$1,999.92	\$300.00	\$999.96	\$300.00
(b) State.....	125.00	1,719.28	1,000.00	1,000.00	6,950.60	2,085.95	5,081.03	6,998.19	1,200.00	999.96	8,015.16
(c) County.....	16,379.00	6,017.49	625.00	350.00	6,950.59	2,431.30	2,471.59	5,035.00	6,961.23	7,556.71	8,923.45
(d) Municipalities.....	3,098.00		6,769.30	525.00	2,025.00				550.00	1,323.30	
(e) Other agencies.....											
Total.....	21,999.92	8,098.77	9,269.26	3,000.00	19,016.76	5,367.25	8,452.62	14,031.11	9,011.26	10,879.93	17,238.61
Number of lectures.....	67	576	37	47	52	105	123	194	141	140	50
Attendance at lectures.....	1,840	28,770	3,733	2,847	2,305	3,095	9,519	9,780	4,868	9,050	5,291
Pieces of literature distributed.....	6,660	6,316	4,061	1,356	2,579	2,962	5,991	11,770	8,150	10,055	1,243
Sanitary inspections:											
(1) Private homes.....	5,302	3,632	74	72		2,785	76	5,022	281	2,425	1,578
(2) Schools.....	108	6	78	19	1	47	138	286	118	167	328
(3) Churches.....	36	25	1					4	1		
(4) Stores, markets, etc.....	584	350	13	27	390	223	390	439	995	1,000	1,730
Total.....	6,030	4,013	196	118	391	3,055	574	5,751	1,396	3,083	3,636
Special inspections:											
Food product places.....	110	276	36	11	213	80	215	41	369	162	78
Physical examination of school children:											
(1) Number examined.....	3,137	2,224	4,017	1,001	4,914	1,267	7,834	2,137	4,761	2,705	25,472
(2) Number found defective.....	1,695	1,816	3,468	766	4,198	1,040	6,388	1,727	2,820	1,089	13,187
Number of treatments induced for correc- tion of physical defects in school children	1,668	146	521	253	206	71	1,962	641	201	381	1,186
Public health nursing:											
(1) Number of visits to cases of com- municable diseases.....	54	180	83	29	8	217	133	504	291	254	547
(2) Number of talks given to groups of persons.....	312	235	317	120	36	79	157	41	260	123	186

Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1922—Continued.

Counties (or districts)	Arlington, Va.	Bell County, Ky.	Cape Cod Health District, Massa- chusetts.	Cape Girardeau, Mo.	Cascade, Mont.	Chaves, N. Mex.	Cherokee, Kans.	Clarke, Ga.	Colbert, Ala.	Cum- berland, N. C.	Dubuque, Iowa.
Period of work in fiscal year 1922	July 1, 1921, to June 30, 1922.	Jan. 1, 1922, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to Dec. 20, 1921.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.
Public Health Nursing—Continued.											
(3) Number of visits to give prenatal care	222	82		16	8	84	168	321		300	120
(4) Number of visits to explain and demonstrate infant hygiene	1,519	359	3	120	305	590	252	345	2	783	833
Laboratory examinations:											
Positive	222	188	35	16	266			64	50	241	805
Negative	1,519	360	277	111	1,008			164	144	1,272	4,070
Total	1,741	548	312	127	1,274	424	4	228	194	1,513	4,893
Immunization:											
(1) Number of complete antityphoid inoculations	87	237	6		38	14	32	1,375	815	1,954	
(2) Number of complete antismallpox inoculations	61	23	2		1,012	112	2,394	1,065	85	2,019	126
(3) Number of complete anti-neumonia inoculations	8										
(4) Number of complete diphtheria toxin-antitoxin inoculations											
Antimalaria work:											
Number of persons treated for removal of hookworm infection	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Veneral-disease prevention:											
(1) Number of prophylactic treatments	1	11							17	16	
(2) Number of curative treatments											
Number of visits by health officer or his assistant:											
(1) To diagnose suspected cases infectious disease			1		417	1	17			222	4
(2) To impose quarantine measures		738					13			811	1,216
Number of cases quarantined	60	65	162	61	590	71	54	19	141	288	169
	60	48	18	132		77	17	20	65	229	331
	54	45	52	171	580	62	445	35	77	280	331

Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1922—Continued.

Counties (or districts)	Edgecombe, N. C.	Eighth Sanitary District of Vermont.	Fauquier, Va.	Glynn, Ga.	Greene, Mo.	Harrison, Miss.	Jasper, Mo.	Lauderdale, Ala.	Laurens, Ga.	Lewis and Clark, Mont.	Logan, W. Va.
Period of work in fiscal year 1922	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Dec. 1, 1921, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.
Special inspections:											
Food product places	406	391	35	103	12	91	65	280	30	172	.....
Physical examination of school children:											
(1) Number examined	634	5,654	1,563	1,511	1,561	1,458	1,433	3,506	2,435	1,024	1,345
(2) Number found defective	209	4,104	1,067	744	1,456	903	1,002	1,771	1,682	864	766
Number of treatments induced for correction of physical defects in school children	.....	1,002	335	493	339	1,074	86	189	381	.....	23
Public health nursing:											
(1) Number of visits to cases of communicable diseases	108	29	39	35	809	170	157	72	.....	30	6
(2) Number of talks given to groups of persons	32	193	96	.....	424	142	106	24	.....	23	37
(3) Number of visits to give prenatal care	165	58	30	.....	500	55	130	63	.....	1	8
(4) Number of visits to explain and demonstrate infant hygiene	698	89	76	.....	1,653	43	216	70	.....	2	236
Laboratory examinations:											
Positive	61	44	62	107	781	494	146	145	629	36	21
Negative	158	754	41	365	566	1,083	609	704	539	52	20
Total	219	798	103	475	1,347	1,557	755	840	1,168	88	41
Immunization:											
(1) Number of complete antityphoid inoculations	1,489	.....	347	453	403	75	952	2,393	1,835	.....	61
(2) Number of complete antismallpox inoculations	855	.....	23	999	5,390	270	5,792	59	1,118	812	1,115
(3) Number of complete antipneumonia inoculations	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
(4) Number of complete diphtheria toxin-antitoxin inoculations	1	402	.....	.....	.....	.....	.....	.....	.....	.....	.....
Antimalaria work	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Number of persons treated for removal of hookworm infection	1	.....	14	72	.....	698	.....	10	270	.....	.....

Veneral-disease prevention:											
(1) Number of prophylactic treatments.....	1	73	882	6,311	130	530	1,070	35	27	4	
(2) Number of curative treatments.....	119										
Number of visits by health officer or his assistant:											
(1) To diagnose suspected cases infectious disease.....	262	10	23	17	48		215	135	157	24	
(2) To impose quarantine measures.....	526	2	22	215	23		47	65	108	26	
Number of cases quarantined.....	608	70	18	245	165		68	70	202	17	
Sanitary privies installed:											
L. R. S.....			12	2		39	12	15			
Concrete vaults.....				6	23	21	85			26	
Bucket and box.....	34	1	89					253			
Pits.....	55		41	28	107	60	172				
Total.....	89	1	130	34	130	120	269	533		26	
Septic tanks installed.											
Number of privies repaired so as again to be of sanitary construction.....	574	6	75	30	852	33	496	73			
Number of new sewer connections.....	49		15			73	64	55	14	1	
Number of new water connections.....			13		135	89	57	58	13	1	
Number of wells improved.....			12	2		47	61	44			
Number of springs improved.....			4		8		4				
Number of public milk supplies radically improved.....			1		14	22	7	21			
Number of life extension examinations.....	53			13		6	1,204				
Counties (or districts):											
Madison, Ala.....	July 1, 1921, to June 30, 1922.....	Marion, Ala.....	Mason, Ky.....	Mingo, W. Va.....	Monroe, Mo.....	New Madrid, Mo.....	Nodaway, Mo.....	Ottawa, Okla.....	Pottis, Mo.....	Polk, Mo.....	Sampson, N. C.....
		July 1, 1921, to June 30, 1922.....	July 1, 1921, to June 30, 1922.....	Feb. 1, 1922, to June 30, 1922.....	Feb. 1, 1922, to June 30, 1922.....	Apr. 1, 1922, to June 30, 1922.....	Feb. 1, 1922, to June 30, 1922.....	July 1, 1921, to June 30, 1922.....	Apr. 15, 1922, to June 30, 1922.....	Apr. 1, 1922, to June 30, 1922.....	Oct. 1, 1921, to June 30, 1922.....
Expenditures:											
(a) Rural sanitation fund (P. H. S.).....	\$2,500.00	\$120.00	\$1,983.33	\$125.00	\$400.00	\$283.34	\$952.50	\$300.00	\$300.00	\$200.00	\$225.00
(b) State.....	1,011.01	975.00	1,841.41	919.26	575.00	283.34	479.35		401.58	290.00	1,874.97
(c) County.....	6,871.39	1,141.95	3,682.81	2,280.68	1,587.30	750.00	1,747.63	3,163.03	468.80	694.40	2,432.30
(d) Municipalities.....	3,041.70										
(e) Other agencies.....	4,336.70		1,841.41	919.26	550.00	200.00	750.00	2,533.42	1,238.96	924.93	
Total.....	17,760.80	2,236.95	9,348.95	4,244.20	3,112.30	1,516.68	3,639.48	5,996.45	2,439.34	2,019.33	4,532.27

None.

Little.

Considerable.

Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1922—Continued.

Counties (or districts).....	Madison, Ala.	Marion, Ala.	Mason, Ky.	Mingo, W. Va.	Monroe, Mo.	New Mad- rid, Mo.	Nodaway, Mo.	Ottawa, Okla.	Pettis, Mo.	Folk, Mo.	Sampson, N. C.
Period of work in fiscal year 1922.....	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.	Apr. 1, 1922, to June 30, 1922.	Feb. 1, 1922, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Apr. 15, 1922, to June 30, 1922.	Apr. 1, 1922, to June 30, 1922.	Oct. 1, 1921, to June 30, 1922.
Number of lectures.....	\$17	\$66	\$328	\$25	\$140	\$8	\$109	\$40	.....	\$37	\$9
Attendance at lectures.....	2,405	7,249	8,467	1,387	2,782	256	3,007	1,147	.....	2,223	75
Pieces of literature distributed.....	4,970	3,945	4,013	2,054	3,212	297	2,159	2,535	\$399	1,818	608
Sanitary inspections:											
(1) Private homes.....	9,202	667	322	470	31	27	.....	55	1	239	784
(2) Schools.....	80	118	386	14	110	11	87	39	3	14	11
(3) Churches.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(4) Stores, markets, etc.....	215	90	50	5	.....	.....	.....	222	.....	.....	2
Total.....	9,537	875	758	489	141	38	87	316	4	253	797
Special inspections:											
Food product places.....	480	.....	813	5	87	2	3	85	.....	8	.....
Physical examination of school children:											
(1) Number examined.....	3,457	.....	5,190	373	2,384	46	400	762	179	840	7,347
(2) Number found defective.....	2,005	.....	1,654	289	1,698	49	316	623	130	670	4,831
Number of treatments induced for correc- tion of physical defects in school children	225	.....	1,983	51	4	.....	60	18	25	.....	434
Public health nursing:											
(1) Number of visits to cases of com- municable diseases.....	350	.....	145	209	36	218	122	18	89	24	90
(2) Number of talks given to groups of persons.....	131	.....	155	27	35	.....	.....	14	.....	37	4
(3) Number of visits to give prenatal care.....	11	.....	106	.....	.....	3	15	13	9	222	7
(4) Number of visits to explain and demonstrate infant hygiene.....	354	.....	206	37	26	215	144	23	315	20	6
Laboratory examinations:											
Positive.....	829	.....	294	60	2	.....	11	5	4	.....	2
Negative.....	2,453	.....	577	59	.....	3	69	4	52	.....	4
Total.....	3,282	.....	871	119	2	3	80	9	56	24	6

Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1922—Continued.

Counties (or districts).....	San Miguel, N. Mex.	Santa Fe, N. Mex.	Surry, N. C.	Talladega, Ala.	Union, N. Mex.	Walker, Ala.	Walker, Ga.	Washington Parish, La.	Wise, Va.	14 Virginia counties.	Total.
Period of work in fiscal year 1922.....	July 1, 1921, to Dec. 31, 1921.	July 1, 1921, to June 30, 1922.	Oct. 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	Nov. 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	July 1, 1921, to June 30, 1922.	
Expenditures:											
(a) Rural sanitation fund (P. H. S.)..	\$750.00	\$725.00	\$225.00	\$1,999.57	\$900.00	\$900.00	\$1,457.50	\$1,257.50	\$300.00	\$1,970.25	\$4,816.04
(b) State.....			749.97	1,157.33	300.00	300.00		1,333.34	5,920.72	10,439.85	44,823.49
(c) County.....	4,404.29	7,496.10	4,357.96	5,100.33	6,585.73	4,992.92	4,598.68	2,340.00	5,920.73	24,303.00	209,204.81
(d) Municipalities.....					665.47	2,520.00	240.00	149.49			30,725.55
(e) Other agencies.....		2,250.00	191.63	2,920.36							76,626.89
Total.....	5,154.29	10,401.10	5,524.56	11,217.09	6,154.20	8,719.92	6,284.18	5,110.33	12,141.45	39,715.13	406,276.73
Number of lectures.....	77	114	92	72	25	181	107	76	108	491	4,766
Attendance at lectures.....	3,225	4,022	6,062	3,019	2,357	6,662	7,365	7,267	7,827	46,363	277,319
Pieces of literature distributed.....	29,250	6,422	2,340	4,962	7,015	14,220	1,514	1,214	27,626	91,632	309,604
Sanitary inspections:											
(1) Private homes.....	1,165	4,909	2	275	2,027	2,023	1,890	539	5,851	16,490	82,191
(2) Schools.....	45	205	33	24	58	116	109	72	105	836	4,357
(3) Churches.....	19			3	3			13			143
(4) Stores, markets, etc.....	203	818	13	170	161	279	353	162			17,248
Total.....	1,432	5,932	50	472	2,281	2,418	2,442	788	5,956	17,346	104,139
Special inspections:											
Food product places.....	5	137	5	163	1		14	131	11	208	5,343
Physical examination of school children:											
(1) Number examined.....	1,250	5,205	5,023	2,948	2,123	6,361	3,902	2,843	9,978		142,431
(2) Number found defective.....	754	3,178	3,537	1,756	602	3,477	2,209	1,941	7,686		91,140
Number of treatments induced for correc- tion of physical defects in school children											
Public health nursing:											
(1) Number of visits to cases of com- municable diseases.....	54	1,237	42	231	225	603	58	47	173		7,882
(2) Number of talks given to groups of persons.....	38	139	117	564	31	283		21	308		4,856
(3) Number of visits to give prenatal care.....	112	133	238	17	42	33		5	19		3,094
(4) Number of visits to explain and demonstrate infant hygiene.....	406	6	268	263	132	118		9	37		9,629

Laboratory examinations:										
Positive.....	15	156	179	106	226	34	276	750	7,434	
Negative.....	38	1,491	918	1,551	385	42	239	843	23,430	
Total.....	53	1,647	1,097	1,937	611	76	515	1,593	31,312	
Immunization:										
(1) Number of complete antityphoid inoculations.....										
(2) Number of complete antismallpox inoculations.....		627	661	7	3,588	2,316	568	46	416	25,540
(3) Number of complete antipneumonia inoculations.....	645	1,245	205	478	84			955	634	38,241
(4) Number of complete antipertussis toxin-antitoxin inoculations.....										21
Antimalaria work.....	400	394		825						3,887
Number of persons treated for removal of hookworm infection.....	(1)	(*)	(*)	(1)	(*)	(*)	(*)	(1)	(*)	.....
Veneral-disease prevention:										
(1) Number of prophylactic treatments.....			23		84		11	964		2,241
(2) Number of curative treatments.....	10		2,501	1				7		371
Number of visits by health officer or his assistant:		97						4,606		29,985
(1) To diagnose suspected cases infectious disease.....	154	833	92	178	203	38	11	634		5,933
(2) To impose quarantine measures.....	137	1,200	55	147	140	25	25	85		4,775
Number of cases quarantined.....	135	227	63	146	275	19	4	437		5,896
Sanitary privies installed:										
L. R. S.....			18		17	14		3	68	333
Concrete vaults.....			153	2		37		2	258	560
Bucket and box.....			192	77	362	24	120	3	622	2,835
Pls.....	97	798			484	47	155	887	3,066	9,804
Total.....	97	798	333	79	863	122	275	895	4,644	13,552
Septic tanks installed:										
Number of privies repaired so as again to be of sanitary construction.....							38		174	412
Number of new sewer connections.....	216	1,350	14	357	419	20	64	459	617	8,420
Number of new water connections.....		112	111		89	28		109	211	2,301
Number of wells improved.....	119	74	58		132	22	146	108	135	2,095
Number of springs improved.....			33		51	18	3	11	104	751
Number of public milk supplies radically improved.....			3	2	14		1	3	47	104
Number of life extension examinations.....	31		11	28	3	2	40	1		539
		2	45		7		6			2,299

* Details not given for 448 examinations.

* Considerable.

* Little.

* None.

Plan of Work.

The plan of work in the fiscal year 1922 was practically identical with that ³ carried out in the fiscal year 1921. This plan has proved economical and effective under a wide range of local conditions. No radical change in it appears advisable, but a wide extension of it, as soon as practicable, does appear advisable.

The Cape Cod Project.

The cooperative health work begun in May, 1921, under the direction of a whole-time district health officer, in 10 of the 14 towns in Cape Cod, Mass.,⁴ has progressed very satisfactorily. This project is of especial interest in that it furnishes a test of the applicability of the general plan of cooperative rural health work to the conditions of local government by town units obtaining in Massachusetts and other New England States. After the first year of this experiment, the number of towns in the Cape entering into the cooperative project was increased from 10 to 11, and the funds provided by the town governments for the support of the district health department in its second year of activity were increased from \$5,100 to \$6,115. A few months after the active work was begun the district health department's force was augmented by a health nurse whose services are provided through the cooperation of local Red Cross chapters. The increase in the budget from the local sources for the support of the activity in its second year is evidence that the cooperative rural health project in Cape Cod is regarded by the local citizens as a good public business.

Special Demonstration Work in Virginia Counties.

The plan of special demonstration work in rural sanitation which was carried out in Virginia in 11 counties in the fiscal year 1920 and in 10 counties in the fiscal year 1921, was carried out in 14 counties ⁵ in that State, and in 1 county (Marion) in Alabama, in the fiscal year 1922. This plan, which is described in previous reports,⁶ has proved highly successful. After three years of trial, it appears to meet better than could any other plan yet proposed, the situations in rural counties in which effective health work, if begun at all, must be begun on a low-cost basis, and in which outdoor sanitary measures, such as control of soil pollution, protection of domestic water supplies, and control of mosquito breeding, are especially indicated in the beginning of the local program of rural health work. Therefore,

³ Pages 10, 11, Reprint No. 699 from Public Health Reports of Oct. 7, 1921.

⁴ Pages 11, 12, Reprint No. 699 from Public Health Reports of Oct. 7, 1921.

⁵ Bath, Carroll, Charlotte, Chesterfield, Greenville, Henry, Mathews, Northumberland, Orange, Prince Edward, Pulaski, Richmond, Roanoke, Wythe.

⁶ Pages 10, 12, Reprint No. 615 from Public Health Reports of Oct. 1, 1920, and pages 12, 14, Reprint No. 699 from Public Health Reports of Oct. 7, 1921.

the plan is applicable to many of our rural counties. In a number of instances among the demonstration projects in the Virginia counties, it has been found that on conservative estimates the saving in dollars and cents to the county, accomplished by only 1 or 2 of the 15 or 20 items of work carried out by the sanitary officer in the course of a year, amounted to considerably more than the cost of the sanitary officer's services for that year. The services of the sanitary officer, besides having an immediate and readily apparent value, often result in the development of popular sentiment in the county for an enlarged scale of health activities. In each of a number of the Virginia counties, the county appropriation for health service has been increased sufficiently, after the first or second year of work by the county sanitary officer, to secure the services of a county health nurse or of both a county health nurse and a whole-time county health officer in addition to those of the sanitary officer.

Since the inauguration in Virginia (February, 1919) of the plan of sanitary officer demonstration work in rural sanitation there has been no difficulty in finding in that State counties whose authorities are willing to make appropriations of county money to secure the cooperation of the State board of health and the United States Public Health Service in carrying out the demonstration projects. Whenever the work has been discontinued in one county, one or more counties have been ready with county appropriations to take the place of that county on the cooperative list. Thus, the funds available to the State board of health and the United States Public Health Service for the cooperative demonstration projects in rural sanitation in Virginia are always spread as far as they will go. If the combined funds of the State and Federal cooperating agencies were adequate to meet as much as two-fifths of the total cost, it is probable that whole-time county health service could be developed within a short time in a large majority of the counties in the State which are not now provided with such service. An offer from the central health agencies to supervise and financially assist in the support of the work is a potent factor in the persuasion of the average county board of supervisors to make an appropriation for whole-time county health service. Without such cooperation from the State and Federal health agencies, satisfactory progress in county health work is not to be expected in Virginia—or in any of the other States. The State health commissioner expects to try to obtain from the next Virginia Legislature a sufficient appropriation for rural sanitation to enable the State board of health to offer due and proportionate cooperation in every county in the State whose authorities desire and will appropriate their proportionate part for whole-time county health service. It seems from the evidence at hand

that he will have a good case. It seems, too, that the Public Health Service should have a good case in consistently recommending sufficient appropriations to enable the Federal Government to do its due and proportionate part in cooperative rural health work throughout the United States.

The accompanying statement prepared by Surg. W. F. Draper, who has been detailed since February, 1919, to cooperate with the State board of health in the development and supervision of cooperative rural health projects in Virginia, presents an interesting record of progress in that State.

Annual budgets and working forces for whole-time county health service in Virginia at beginning of each five-year period in last decade.

	County.	Health officers.	Health nurses.	Sanitary inspectors.	Others.	Work began.	Budget.	Sources of funds.					International Health Board.	Red Cross.	Other agencies.
								Local government.	State government.	United States Public Health Service.					
I. Jan. 1, 1912.	Norfolk	1		2	1	1916	\$5,000	\$8,000							
II. Jan. 1, 1917.	Arlington	1	2	1	6	1919	21,500	19,000	\$500	\$2,000					
III. Jan. 1, 1922.	Augusta	1				1917	4,000	4,000							
	Barfax	1		1		1917	6,500	6,500							
	Norfolk	1	4	1	1	1916	16,000	16,000							
	Albemarle	1	1	1	2	1920	19,000	2,500	2,500						
	Franklin	1	1	1	1	1919	8,000	1,000	2,500	300			\$2,500		\$2,500
	Hallifax	1	2	1	1	1920	19,000	2,600	2,500				2,500		5,200
	Wise	1	1	1	1	1921	17,800	5,000	1,800				1,800		500
	Greene	1	2	1	1	1921	19,800	1,200	2,500	300			2,500		900
	Chesapeake	1	1	1		1919	5,800	1,200	1,200	300			1,900		
	Greensville	1	1	1	1	1919	5,000	2,500	1,200	300			2,000		
	Henry	1	1	1	1	1919	2,000	1,500	1,200	300			1,000		
	Roanoke	1	1	1	1	1919	2,000	2,800	1,200	300			1,000		
	Wythe	1	1	1	1	1921	2,000	2,800	1,200	300			1,000		
	Bath	1	1	1	1	1919	5,000	1,500	700	300			1,000		
	Carroll	1	1	1	1	1921	2,500	1,500	700	300			1,000		
	Charlotte	1	1	1	1	1921	2,500	1,500	700	300			1,000		
	Pulaski	1	1	1	1	1922	2,500	1,500	1,000	400			2,000		
	Accomac	1	1	1	1	1921	2,500	1,000	500	400			1,000		1,000
	Amherst	1	1	1	1	1920	2,500	1,000	500	400			1,000		1,000
	Bedford	1	1	1	1	1921	2,500	500	500	500			2,000		
	Caroline	1	1	1	1	1921	2,500	500	500	500			1,000		1,200
	Clarke	1	1	1	1	1920	2,500	500	500	500			2,000		
	Elizabeth City	1	1	1	1	1921	2,500	1,000	500	500			1,000		
	Essex	1	1	1	1	1921	2,500	500	500	500			1,000		
	Giles	1	1	1	1	1921	2,500	500	500	500			1,000		2,000
	Goodland	1	1	1	1	1920	2,500	1,000	500	500			1,000		
	Lee	1	1	1	1	1920	2,500	500	500	500			1,000		
	Mecklenburg	1	1	1	1	1921	2,500	500	500	500			2,000		1,500
	Princess Anne	1	1	1	1	1921	2,500	500	500	500			2,000		
	Prince Edward	1	1	1	1	1921	2,500	500	500	500			2,000		
	Prince George	1	1	1	1	1921	2,500	500	500	500			2,000		
	Rockbridge	1	1	1	1	1921	2,500	500	500	500			2,000		
	Nansemond	1	1	1	1	1920	2,500	500	500	500			2,000		
	Total	9	32	20	13		169,600	77,500	27,650	5,300			32,800		15,800

General Progress in Rural Health Work.

Notwithstanding the general financial situation, substantial progress was made in the development of whole-time rural (county) health service in the United States during the fiscal year. According to data⁷ collected by the Rural Sanitation Office from the State health departments, the number of counties, or equivalent divisions, provided with local health service reaching all rural sections thereof, under the direction of whole-time county or district health officers, was 203 at the beginning of the calendar year 1922, as against 161 at the beginning of the calendar year 1921, and 109 at the beginning of the calendar year 1920. The gain of 94 within this two-year period signifies that the cooperative demonstrations in rural health work, though as yet lamentably small in number, are making some impression upon the general situation.

During the fiscal year 1922, progress deserving especial mention was continued in Alabama, Georgia, Kansas, Kentucky, Montana, New Mexico, North Carolina, Ohio, Vermont, and Virginia, and was made in Louisiana, Mississippi, Missouri, and West Virginia. In Missouri, a division of rural sanitation was organized in the State board of health and was directed by an officer of the Public Health Service detailed for duty with the State board in developing and supervising county health work; and appropriations, ranging from \$3,600 to \$12,000 a county, were made available from county sources for the support of county health departments on a basis of whole-time service in 9 counties in addition to the 2 in which cooperative rural health projects were being conducted at the beginning of the fiscal year. In 6 of the 9 additional counties whose local authorities made appropriations to secure the cooperation offered by the State board of health, the United States Public Health Service, and the International Health Board, whole-time personnel was engaged and active work was conducted during the year. In West Virginia, to which State also an officer of the Public Health Service is detailed to cooperate with the State board of health in developing and supervising whole-time county health service, arrangements were effected for cooperative health work under the direction of whole-time county health officers in 4 counties previously without such service.

Results.

The cooperative projects in the fiscal year ended June 30, 1922, yielded results exceeding in value manyfold the cost of the work. Among the results presented in the tabular statement (pp. 2353 to 2361), to which especial consideration may be given, are—

⁷ Pages 1794-1799, Public Health Reports, vol. 37, No. 29, July 21, 1922. Reprint No. 771.

1. Public lectures presenting the principles and details of sanitation to over 277,000 persons.
2. Over 104,000 sanitary inspections of premises, with explanation of findings to occupants (or owners) of the properties.
3. Physical examination of over 142,000 school children, of whom over 91,000 were found to have incapacitating physical defects, with notification of parents, or guardians, of defects found.
4. Sixteen thousand six hundred and forty-five recorded treatments effecting correction of incapacitating physical defects among school children, brought about by written notifications to parents or guardians, follow-up visits to homes of the children, making available proper clinical facilities, and other activities of the county, or district, health departments.
5. Seven thousand eight hundred and eighty-two visits by health nurses to homes of cases of communicable disease to advise and show the afflicted households how to prevent the spread of the infections.
6. Three thousand and ninety-four visits by health nurses to prenatal cases to advise with and assist expectant mothers in carrying out hygienic and physiological measures making for healthy mothers and healthy babies.
7. Nine thousand six hundred and twenty-nine home visits by health nurses to demonstrate hygienic measures for the promotion of the health and the protection of the lives of infants.
8. Twenty-five thousand five hundred and forty persons inoculated for protection against typhoid fever.
9. Thirty-eight thousand two hundred and forty-one persons vaccinated against smallpox.
10. Three thousand eight hundred and eighty-seven children inoculated with toxin-antitoxin mixture for immunization against diphtheria.
11. Two thousand two hundred and forty-one persons treated effectively for relief from hookworm disease and for the prevention of the spread of the infection.
12. Marked reduction in the spread of malaria in hundreds of localities, with an aggregate population of several hundred thousand.
13. Twenty-three thousand nine hundred and eighty-five treatments to rid persons of venereal disease infection and prevent the spread of the infection.
14. Five thousand eight hundred and ninety-six cases of dangerous communicable diseases quarantined to prevent spread of infection in the local community, the State, and throughout the country.
15. The installation of 13,552 sanitary privies and 412 septic tanks at dwellings where previously there had been either grossly insanitary privies or no toilets of any sort.

16. Eight thousand four hundred and twenty privies repaired so as again to be of sanitary type.

17. Two thousand three hundred and one homes connected for the first time with sanitary sewers.

18. Two thousand nine hundred and fifty homes provided with clean water supplies in place of contaminated water supplies.

19. Radical improvement of 539 public milk supplies, the milk from which was being distributed to a considerable extent through the channels of interstate commerce, to prevent the spread, through milk and milk products, of such infections as those of typhoid fever, scarlet fever, diphtheria, tuberculosis, septic sore throat, and infant diarrhea.

20. Two thousand two hundred and ninety-nine citizens over 40 years of age examined and advised about measures to conserve their vital capital.

Such results indicate that the plan of the work is both comprehensive and effective. On the details of the work in any one of the projects, a voluminous report might be written without doing more than scant justice to their importance. Not for comparison but merely for example, specific results in a few of the separate cooperative projects are here cited:

(a) In Madison County, Ala., a remarkable reduction in the death rate has been effected. The cooperative health work, under the direction of a whole-time county health officer, was begun in 1918. For the immediately preceding 10 years the annual death rate averaged over 19 per 1,000 of population. In the calendar year 1921 it was 12.6. The death rate among infants of less than 1 year, in 1921, was only 77 per 1,000 births. The population of Madison County is about 50,000. A lowering of the death rate by seven points, therefore, means 350 less deaths a year. The total annual expenditures for the support of the county health service have averaged about \$14,400 in the last three fiscal years. Saving lives of American citizens at a cost of less than \$50 a life saved seems reasonably good business.

(b) In Mason County, Ky., the county health department, in the course of its general program of health work within the last several years, has accomplished a high degree of success in securing vaccination of the local population against smallpox. In the winter of 1921-22, smallpox, much of which was of malignant type, was highly prevalent within the vicinity of Mason County. In two villages, located near the Mason County line, in an adjoining county, 55 cases developed within the period December 1, 1921, to April 1, 1922. Within that period, not a single case developed among the residents of Mason County.

(c) In the Eighth Sanitary District of Vermont, the potential value of health work among school children, to both the individual and the community, was exemplified by an instance remarkable because of its completeness. The whole-time district health officer, in the course of his first round of physical examination of school children, found, in October, 1919, at one of the large graded schools, 16 pupils of widely different ages who, because they were unable to keep up with their respective classes, were regarded as mentally backward and were assigned to a special room for simple instructions. Upon carefully examining the 16 children, the health officer found that every one had one or more marked physical defects, among which decayed teeth, enlarged tonsils, adenoids, faulty eyesight, and poor hearing were common. With the cooperation of the school directors, the health officer, within the next few months, by appeals to the parents and through special arrangements with local physicians, succeeded in having corrected almost all of the physical defects found among the group. On reexamination of the pupils a year later, it was found that all of the previously backward children had been returned to their proper grades and were keeping up in them with their classmates. Another year later, in December, 1921, some of those 16 children were among the physical and mental leaders in their grades.

(d) In Cherokee County, Kans., the county health officer found, on his physical examination of school children in the winter of 1921-22, that 1,871 corrections of physical defects among the children had been made since his examination of them in the previous school term. The work of the county health department to bring about correction of physical defects in school children is but one of the important items in the program of activities of the Cherokee County cooperative project. In the fiscal year 1922, radical improvements were accomplished in outdoor sanitary conditions at hundreds of the rural homes. Two thousand five hundred and ninety-four persons were vaccinated against smallpox, and the county health officer or the county health nurse, or both, visited one or more times every case of tuberculosis known to exist in the county, and gave practical instructions to the patients and to the other members of their households in measures to prevent the spread of tubercular infection.

(e) In Arlington County, Va., the program of rural health work, inaugurated in 1919, has been comprehensive and remarkably effective. The methods of excreta disposal have been changed from insanitary to sanitary at more than 3,600 of the 3,800 homes in the county. Hundreds of sources of domestic water supplies have been changed in character so as to be protected from potentially dangerous contamination. Over 80 per cent of the physical defects found among school children on the first round of inspection have been corrected.

Among the children in three of the larger schools a record of 100 per cent corrections of correctable physical defects has been made. In the fiscal year 1922, the third year of the work, special activities were begun for the promotion of infant and maternity hygiene, for adult life extension, and for tuberculosis control. At the two baby clinics established in the county over 250 babies were examined in the first month of that special activity. All the activities are performed under the direction of one person, the whole-time county health officer. The program furnishes a striking example of a maximum of work with a minimum of overhead expense.

Conclusion.

The plan of cooperative rural health work in which the Public Health Service has been engaged during the last several fiscal years has proved economical and effective and should be extended, without unnecessary delay, to meet, to a reasonably adequate degree, the serious need of well-balanced, whole-time local health service in the rural districts of the United States.

SICKNESS AMONG NEW YORK STATE FACTORY WORKERS IN 1919.

Abstract of Special Bulletin No. 108, of the New York State Department of Labor.¹

The average per capita loss of working time caused by sickness involving disability of three days to six months, in the State of New York, was 1.1 days for the last half of 1919, according to a report of the New York State Department of Labor on an investigation conducted by the Associated Industries of New York State (Inc.). For the six months the number of cases was 114.4 per thousand employed. The annual rates undoubtedly would be greater than double the figures given for the six months, the report states, since the prevalence of respiratory diseases and epidemics of the late winter and early spring would make the amount of sickness for the first half of the year greater than the amount for the last half. It is stated that for employees covered by this survey the annual per capita loss of time on account of sickness of three days' to six months' duration probably would be about two and one-third days, on the assumption that the amount of sickness was about 10 per cent greater the first half of the year.²

The chief reason for the difference between two and one-third days and the estimates commonly given of five to nine days of disability,

¹ From the Statistical Office, U. S. Public Health Service.

² This estimate of 10 per cent is based on the figures given in "Sickness and Absenteeism During 1919 in a Large Industrial Establishment," published by the United States Public Health Service (Reprint No. 611), which showed a 10 per cent higher loss of time in the first half of the year 1919 than in the second half.

according to the bulletin, is the fact that no disabilities of more than six months or under three days were included. Persons more or less permanently disabled through accident, disease, or advanced years no doubt did not appear on the time records and were consequently not reported among the disabled, since only persons actually employed at the time of the investigation were included in the survey. The purpose of the survey was to ascertain, not the total amount of sickness occurring, but the actual amount of time for which sickness benefits would be paid under a law providing for compensation beginning with the third day of disability on account of sickness and continuing for 26 weeks (six months) if disability should last that long. Accidents were not included, and loss of working time only was reported, Sundays and holidays not being counted as days lost.

A further reason given for the disparity between the results of this and other surveys of sickness is the fact that male employees constituted approximately three-fourths of the employees covered by the survey. In this investigation the sickness rate, both as to number of cases per thousand employed and as to average per capita loss of time, was more than 50 per cent greater for women than for men (101 cases of sickness per 1,000 male employees in six months, as compared with 154 cases per 1,000 female employees; and 0.9 working days loss for each male employee, as compared with 1.6 days loss for each female employee). Consequently, for an equal number of women and men, the combined rate would be more than 10 per cent greater than the combined rate resulting from this survey.

According to the original plan of the survey, each absence lasting three days or longer was to be investigated among 200,000 industrial employees in the State, from July 1 to December 31, 1919, but the elimination of incomplete and improperly kept records reduced the exposure to 76,559 employees in 143 different establishments. While the records were kept in most cases for the last six months of 1919, in some instances the work was not started until August, and in such cases the records were maintained through January, 1920.

The bulletin does not explain how the diagnosis of disease was obtained, and the extent to which the reported causes of disability could be relied on, but it does say that a few allied diseases—influenza and grippe, "colds" and bronchitis, and tonsillitis, and other diseases of the throat—made up 45 per cent of all cases of disability reported, and were responsible for 34 per cent, or over one-third, of the total loss of time caused by sickness. Measured by the loss of working time involved, diseases of the digestive system were of first importance among the different groups of diseases given in the International Classification, causing 25 per cent of the total lost time. Twenty-four per cent of the total loss of time was caused by respiratory diseases, and 22 per cent by general diseases.

Sickness of brief duration was, of course, of far less importance from the standpoint of loss of time and wages than from that of the number of cases. Sickness causing disability of from three to six days, which constituted 60 per cent of the total number of cases reported, involved only 26 per cent of the total time loss. More than half of the total loss of time and wages was caused by sickness lasting more than two weeks.

Information concerning insurance was reported for 7,080 out of the 8,761 persons who were absent for three days or more on account

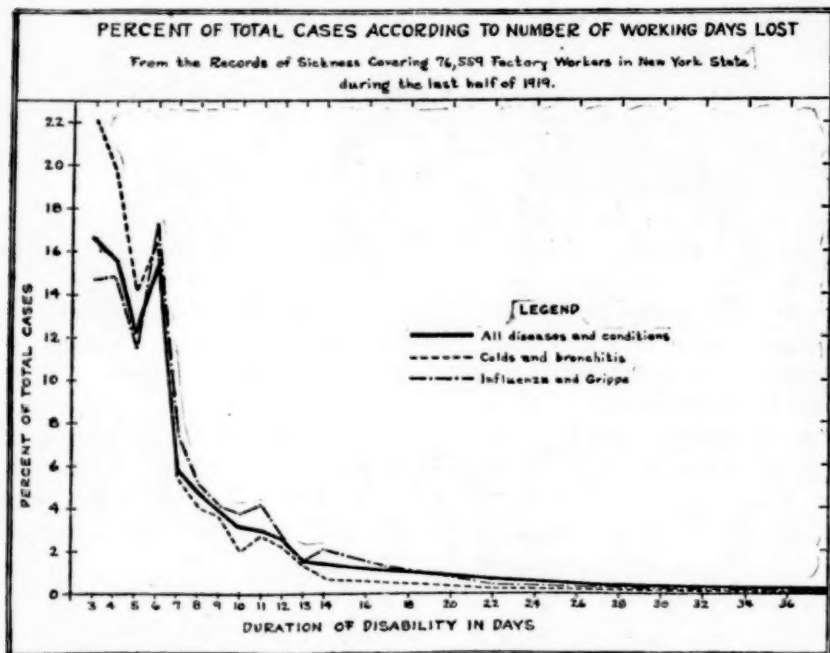


FIG. 1.

of sickness. Among the 7,080 persons, 4,610, or about 65 per cent, are known to have had no form of insurance against disease.

The frequency of cases causing different time losses is shown in the accompanying graph for colds and bronchitis and for influenza and grippe in comparison with all diseases. Attention is called to the large number of six-day cases. This is partly due to the fact that not only all cases of disability of seven calendar days but probably one-seventh of the eight calendar-day disabilities—those that included two Sundays—would also result in six days absence from work. Probably the chief reason, however, lies in the tendency to remain away from work an even week, some persons staying home a full week who are able to return a day earlier, while others return to work at the beginning of a new week who could well remain at home a day longer.

VITAL STATISTICS FOR ENGLAND AND WALES, 1920.

The important facts in the record of vital statistics for England and Wales for the year 1920, as presented in the Eighty-third Annual Report of the Registrar for England and Wales for that year, are stated to be the following: The highest marriage rate recorded to that date—20.2 per 1,000 of the population, a rate 4.8 above the average of the last 10-year period unaffected by the war (1905–1914); the highest birth rate (25.5 per 1,000 population) since 1909; and the lowest death rate recorded, namely, 12.4 per 1,000 population, being 1.3 below the rate for 1919. The number of deaths was 466,130—the smallest number recorded in any year since 1862, when the population was little more than half that of 1920.

The proportion of males to females born in 1920 was 1,052 per 1,000, continuing much above pre-war experience. The loss of births attributable to the war was estimated at about 600,000.

The population of England and Wales as of mid-year 1920 was estimated at 37,524,000. The population for 1921 according to the enumeration of the thirteenth decennial census is given as 37,885,242.

The following table gives the number of deaths from certain causes and the crude death rates for 1920:

Deaths from certain causes, England and Wales, 1920.

Cause of death.	Number of deaths.	Crude death rate per 100,000.	Cause of death.	Number of deaths.	Crude death rate per 100,000.
Cancer.....	43,687	¹ 116.1	Syphilis.....	2,023	5.4
Tuberculosis.....	42,545	113.1	Scarlet fever.....	1,430	3.8
Pneumonia.....	37,149	98.7	Encephalitis.....	861	2.3
Influenza.....	10,665	28.3	Alcoholism.....	719	1.9
Measles.....	7,190	19.1	Enteric fever.....	537	1.4
Diphtheria and croup.....	5,666	15.0	Cerebrospinal fever.....	395	1.0
Whooping cough.....	4,401	11.7	Malaria.....	250	.7
Pregnancy or childbirth.....	4,144	(²)	Smallpox.....	30	.....
Suicide.....	3,425	9.1			

¹ Standardized rate=97.5.

² A rate of 4.33 per 1,000 births.

Infant mortality.—Of the 466,130 deaths registered during 1920, 76,552, or 16.4 per cent, were of infants under 1 year of age. This proportion has risen from 12.2 in 1919 as a result, it is stated, of the increased birth rate; but owing to decreased infant mortality it remains much below the rate of a few years ago. For 1901–1910 the average percentage was 22.6.

Cancer.—Of the 43,687 deaths ascribed to cancer, 19,659 were of males and 24,028 were of females. These figures are the highest recorded up to 1920.

Malaria.—The number of malaria deaths has increased from an average of 60 during the period 1911–1915, and 62, 126, 197, and 268 in the four succeeding years. It is interesting to note that of the 250 decedents in 1920, only 10 were women, indicating that in most of the fatal cases the infection was contracted abroad.

Pneumonia.—The proportion of total pneumonia deaths referred to broncho-pneumonia in 1920 was the highest, and that to "pneumonia" not otherwise defined, the lowest for the 20-year period 1901–1920, during which time a distinction between the forms of pneumonia has been recorded. The proportion of deaths from various forms of pneumonia have been recorded as follows:

Period.	Percentage.		
	Lobar.	Broncho.	Pneumonia not otherwise defined.
1901–1905.....	8.4	42.1	40.5
1911.....	19.8	44.4	35.8
1920.....	22.6	50.2	27.2

Tuberculosis.—The crude mortality rate for tuberculosis was 113.1 per 100,000 population, a rate much below that recorded for any previous year, the lowest hitherto having been 125.9 in 1919, and 135.2 in 1913. The proportion of the total deaths that was due to tuberculosis in 1920 was 9.1.

MARRIAGE, BIRTH, AND DEATH RATES IN GERMANY FROM 1904 TO 1921.

The Statistische Reichsamt has recently published the marriage, birth, and death rates in Germany for 1921, and interesting comparisons are made with the figures for the years 1904–1920. The following table gives the data for the years 1904 to 1921, inclusive, and the difference between the birth rates and death rates for each year:

Marriage, birth, and death rates per 1,000 population in Germany, 1904 to 1921, inclusive.

Year.	Marriage rate.	Birth rate.	Death rate.	Difference. ¹
1904.....	8.0	35.1	20.6	+14.5
1905.....	8.1	34.0	20.8	+13.2
1906.....	8.2	34.1	19.2	+14.9
1907.....	8.1	33.2	19.0	+14.2
1908.....	8.0	33.0	19.0	+14.0
1909.....	7.8	32.0	18.1	+13.9
1910.....	7.7	30.7	17.1	+13.6
1911.....	7.8	29.5	18.2	+11.3
1912.....	7.9	29.1	16.4	+12.7
1913.....	7.7	28.3	15.8	+12.5
1914.....	6.8	27.6	19.9	+7.7
1915.....	4.1	21.0	22.0	-1.0
1916.....	4.1	15.7	19.7	-4.0
1917.....	4.7	14.4	20.8	-6.4
1918.....	5.4	14.7	18.8	-4.1
1919.....	13.4	20.6	16.1	+4.5
1920.....	14.8	27.1	16.3	+10.8
1921.....	11.9	26.1	14.8	+11.3

¹ Positive figures indicate excess of births over deaths; minus figures excess of deaths over births.

The marriage rate fell from 7.7 in 1913 to 4.1 in 1915 and 1916, but rose in 1919 to 13.4, and in 1920 to 14.8, nearly twice that of 1913. In 1921 the rate decreased somewhat, but still remained much above the pre-war rate.

The birth rate fell in a similar manner during the war. In 1913 it was 28.3, and reached its lowest point, 14.4, in 1917. Unlike the marriage rate, however, the birth rate in 1921 had not reached the pre-war rate.

The death rate, which was 15.8 in 1913, rose to 22 in 1915, but had dropped to 14.8 in 1921, a figure somewhat lower than the pre-war rate.

The excess of births over deaths was 12.5 in 1913. During the four years 1915-1918, inclusive, the deaths exceeded the births, the greatest excess of deaths over births, 6.4, occurring in 1917. In 1921 the excess of births over deaths had not reached the excess recorded for 1913, although the marriage rates for 1919, 1920, and 1921 were considerably above the rate for 1913, the rate for 1920 being nearly twice that for 1913.

The figures in the following table represent the marriages, births, and deaths in 1920 and 1921 as compared with 1913, the figures for 1913 being taken as a base and represented as 100:

Marriages, births, and deaths in Germany in 1920 and 1921 as compared with 1913.

[The figures for 1920 and 1921 are in percentages of those for 1913, which are represented by 100.]

	1913	1920	1921
Marriages.....	100	190	155
Births.....	100	94	91.6
Deaths.....	100	101.3	93.7

DIVISION OF VENEREAL DISEASES, FISCAL YEAR 1922.

A SUMMARY OF CLINIC ACTIVITIES, AND THE NUMBER OF CASES REPORTED TO STATE BOARDS OF HEALTH DURING THE FISCAL YEAR ENDED JUNE 30, 1922.

The volume of work performed by the clinics treating venereal diseases has increased during the fiscal year 1922. In 1921 there were 483 clinics operating under joint Federal and State control. In 1922 there are 542 clinics, including a number which are no longer receiving State or Federal assistance. A total of 141,279 new patients were admitted to these clinics in the fiscal year 1922, an increase of 531 over the number for 1921. The average number of new admissions per clinic in 1922, however, was 261, as compared with 318 in 1921, a decrease of 18 per cent.

A comparison of the number of patients discharged as noninfectious in 1921 and 1922 with the number of new admissions shows that a steadily increasing number of patients are continuing treatment until the noninfectious stage has been reached.

A summarized report of the clinic activities for the year 1922 is presented in Table I.

TABLE I.—Summary of reports of clinics, including those operating under the joint control of the United States Public Health Service and the State boards of health, July 1, 1921–June 30, 1922.

State.	Total number of clinics reporting.	Total number of reports received.	Patients admitted.				Patients discharged as non-infections.	Treatments given.	Doses of arsenamine given.	Wassermann tests made.	Microscopic examinations (gonococcus).
			Total.	Syphilis.	Gonorrhea.	Chancroid.					
United States.....	541	5,397	141,279	74,649	60,954	5,676	60,169	2,045,232	509,523	298,486	192,745
Alabama.....	15	145	9,619	6,028	3,309	282	5,524	81,520	32,649	12,513	3,988
Arkansas.....	10	101	3,388	2,276	1,081	31	1,456	67,937	11,219	6,232	2,914
California.....	14	118	4,163	2,344	1,767	52	1,031	52,503	13,828	14,799	3,791
Colorado.....	8	85	1,486	660	775	51	929	27,944	5,217	2,536	2,870
Connecticut.....	6	72	1,046	467	549	30	729	22,560	4,485	2,431	1,978
Delaware.....	2	24	287	111	140	36	48	3,789	662	409	364
District of Columbia	1	12	294	230	63	1	1	2,132	1,164	285	71
Florida.....	14	100	3,600	2,534	867	199	1,530	15,761	11,006	5,400	692
Georgia.....	7	81	4,075	2,256	1,586	233	954	38,676	13,333	7,896	3,330
Illinois.....	28	297	9,152	3,945	4,806	311	3,878	120,911	29,213	17,221	12,938
Indiana.....	18	216	4,882	2,250	2,441	191	2,019	122,012	23,985	10,805	5,641
Iowa.....	11	119	1,403	733	655	15	1,077	23,633	7,654	3,119	2,360
Kansas.....	9	98	1,852	1,112	733	7	915	67,188	8,174	3,035	3,782
Kentucky.....	21	221	4,051	2,311	1,650	90	1,699	47,940	17,348	5,348	3,378
Louisiana.....	7	73	4,587	2,465	1,842	280	2,011	60,151	14,640	5,168	2,061
Maine.....	9	64	374	269	102	3	297	4,577	1,545	1,176	727
Maryland.....	9	73	2,669	972	1,584	104	761	20,838	8,062	4,597	3,571
Massachusetts.....	34	339	6,567	3,615	2,936	16	1,733	133,578	42,361	20,816	18,092
Michigan.....	20	222	6,446	3,330	3,072	44	2,361	138,175	18,944	21,774	27,703
Minnesota.....	7	62	1,126	489	634	3	570	24,141	6,978	2,049	1,397
Mississippi.....	8	62	2,686	1,669	819	198	1,724	14,886	6,691	2,833	2,150
Missouri.....	19	202	9,121	3,616	4,859	646	3,171	123,235	14,652	18,261	7,776
Montana.....	2	20	63	27	36	.....	37	555	288	39	79
Nebraska.....	8	84	1,262	593	560	109	332	28,578	5,495	3,597	3,657
New Hampshire.....	5	49	1,307	163	138	6	49	8,781	2,044	732	371
New Jersey.....	21	214	3,715	1,895	1,788	32	1,757	58,590	12,666	9,540	3,983
New Mexico.....	2	18	127	69	57	1	51	640	306	188	191
New York.....	44	476	5,178	2,914	2,169	95	3,223	102,534	31,797	10,112	6,440
North Carolina.....	9	86	1,894	1,210	581	103	955	13,919	8,530	3,512	833
North Dakota.....	3	30	88	37	50	1	82	1,242	587	361	413
Ohio.....	39	368	11,033	5,691	4,865	537	3,544	153,514	29,051	21,588	13,961
Oklahoma.....	5	46	935	559	323	53	686	7,076	2,959	1,163	906
Oregon.....	1	12	554	316	233	5	79	4,069	727	1,103	821
Pennsylvania.....	59	463	5,910	3,123	2,708	79	1,637	84,320	25,692	14,631	5,012
Rhode Island.....	7	76	844	490	379	5	161	13,285	6,637	4,767	1,853
South Carolina.....	8	76	5,508	2,285	2,799	424	2,069	91,590	22,135	7,357	8,401
South Dakota.....	3	25	66	33	31	2	37	551	216	115	108
Tennessee.....	8	89	5,414	3,302	1,725	387	2,291	74,189	17,174	16,976	9,599
Texas.....	9	85	7,839	4,086	2,967	786	5,112	95,405	18,311	9,522	9,414
Utah.....	3	25	374	134	213	27	162	7,628	741	749	1,040
Vermont.....	4	42	151	116	34	1	169	2,574	1,252	329	121
Virginia.....	13	124	4,388	2,612	1,594	182	2,431	52,427	17,657	11,726	5,024
Washington.....	3	34	1,065	531	557	7	535	20,882	4,753	5,733	5,182
West Virginia.....	3	22	449	339	106	4	272	1,920	2,470	552	192
Wisconsin.....	13	151	1,061	425	631	5	270	5,712	4,001	4,908	3,351
Wyoming.....	1	12	99	47	50	2	37	1,394	235	390	309

The number of cases of venereal diseases reported to State boards of health for the year 1922 was 337,184, a decrease of 97,520, or 22.4 per cent from the number reported in 1921. Cases of syphilis reported have decreased 19.7 per cent, of gonorrhea 24.6 per cent, of chancroid 34.2 per cent. Again more cases of syphilis than of gonorrhea have been reported.

Table II shows the number of cases reported to State boards of health for 1922.

TABLE II.—Cases of venereal diseases reported to State boards of health, July 1, 1921–June 30, 1922.

State.	Total.	Syphilis.	Gonorrhea.	Chancroid.
United States.....	337, 184	174, 899	153, 326	8, 959
Alabama.....	11, 753	7, 181	4, 244	328
Arizona.....	192	90	97	5
Arkansas.....	10, 079	5, 377	4, 560	142
California.....	8, 049	4, 171	3, 878	
Colorado.....	3, 359	1, 173	2, 065	121
Connecticut.....	2, 335	1, 591	744	(1)
Delaware.....	1, 038	484	478	76
District of Columbia ²	294	230	63	1
Florida.....	4, 109	2, 068	1, 796	245
Georgia.....	9, 759	4, 908	4, 483	338
Idaho.....	391	138	244	9
Illinois.....	15, 871	6, 129	9, 458	284
Indiana.....	5, 178	2, 682	2, 422	74
Iowa.....	3, 007	906	2, 043	58
Kansas.....	2, 845	1, 278	1, 526	41
Kentucky.....	29, 379	19, 735	9, 277	367
Louisiana.....	7, 844	3, 788	3, 464	592
Maine.....	1, 549	618	920	11
Maryland.....	4, 096	1, 920	2, 065	111
Massachusetts.....	9, 311	3, 049	6, 258	4
Michigan.....	16, 249	7, 105	9, 038	106
Minnesota.....	7, 732	3, 196	4, 442	94
Mississippi.....	3, 111	1, 754	1, 138	219
Missouri.....	11, 893	4, 977	6, 073	843
Montana.....	803	371	432	
Nebraska.....	5, 170	1, 547	3, 376	247
Nevada ³				
New Hampshire.....	734	299	431	4
New Jersey.....	5, 530	3, 015	2, 428	87
New Mexico.....	375	119	250	6
New York.....	33, 358	23, 718	9, 598	42
North Carolina.....	7, 494	3, 534	3, 702	258
North Dakota.....	840	231	563	16
Ohio.....	11, 093	5, 691	4, 865	537
Oklahoma.....	2, 133	1, 032	982	119
Oregon.....	2, 274	750	1, 478	46
Pennsylvania.....	10, 083	5, 885	4, 095	103
Rhode Island.....	11, 193	7, 651	3, 526	16
South Carolina.....	7, 075	3, 004	3, 638	433
South Dakota.....	838	292	526	20
Tennessee.....	7, 562	3, 909	3, 204	449
Texas.....	42, 060	21, 025	19, 100	1, 935
Utah.....	719	189	510	20
Vermont.....	682	306	376	
Virginia.....	4, 990	2, 627	2, 173	190
Washington ²	1, 095	531	557	7
West Virginia.....	8, 136	3, 951	3, 898	287
Wisconsin.....	2, 903	510	2, 373	20
Wyoming.....	621	164	439	18

¹ Included in syphilis.² From clinical reports.³ Not reporting.

DEATHS DURING WEEK ENDED SEPTEMBER 16, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended September 16, 1922, and corresponding week 1921. (From the Weekly Health Index, September 19, 1922, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Sept. 16, 1922.	Corresponding week 1921.
Policies in force.....	50, 560, 741	47, 592, 718
Number of death claims.....	7, 850	7, 738
Death claims per 1,000 policies in force, annual rate.....	8.1	8.5

Deaths from all causes in certain large cities of the United States during the week ended September 16, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, September 19, 1922, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1922.	Week ended Sept. 16, 1922.		Annual death rate per 1,000, corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Sept. 16, 1922. ³
		Total deaths.	Death rate. ¹		Week ended Sept. 16, 1922.	Corresponding week 1921.	
Total.....	27,565,075	5,430	10.3	9.9	835	866	.....
Akron, Ohio.....	² 208,435	18	4.5	6.8	3	7	32
Albany, N. Y.....	116,223	25	11.2	10.9	2	3	45
Atlanta, Ga.....	220,047	64	15.2	11.1	4	7	.....
Baltimore, Md.....	762,222	176	12.0	12.8	34	38	96
Birmingham, Ala.....	191,017	42	11.5	7.6	8	1	.....
Boston, Mass.....	764,017	169	11.5	11.5	37	31	99
Bridgeport, Conn.....	² 143,555	24	8.7	7.6	0	9	0
Buffalo, N. Y.....	528,163	115	11.4	9.7	29	19	114
Cambridge, Mass.....	110,944	17	8.0	8.0	1	1	18
Camden, N. J.....	121,915	31	13.3	8.3	7	4	107
Chicago, Ill.....	2,833,288	553	10.2	9.0	93	95	.....
Cincinnati, Ohio.....	404,865	115	14.8	13.8	7	17	47
Cleveland, Ohio.....	854,003	146	8.9	8.7	30	27	77
Columbus, Ohio.....	253,455	57	11.7	11.7	11	15	116
Dallas, Tex.....	171,974	39	11.8	11.7	2	8	.....
Dayton, Ohio.....	161,824	33	10.6	7.3	3	1	51
Denver, Colo.....	267,591	78	15.2	10.7	13	1	.....
Detroit, Mich.....	² 993,678	161	8.4	7.8	37	35	71
Fall River, Mass.....	120,790	23	9.9	14.7	5	12	70
Fort Worth, Tex.....	114,717	18	8.2	.....	3	.....	.....
Grand Rapids, Mich.....	143,572	23	8.4	7.0	2	4	33
Houston, Tex.....	150,087	27	9.4	6.5	4	3	.....
Indianapolis, Ind.....	333,257	76	11.9	12.7	5	8	38
Jersey City, N. J.....	305,911	75	12.8	11.5	14	13	89
Kansas City, Kans.....	113,801	26	11.9	10.5	5	2	116
Kansas City, Mo.....	343,988	74	11.2	14.4	11	13	.....
Los Angeles, Calif.....	634,866	162	13.3	11.5	21	13	87
Louisville, Ky.....	236,877	67	14.7	10.2	3	6	32
Lowell, Mass.....	114,423	21	9.6	11.0	8	4	135
Memphis, Tenn.....	167,862	48	14.9	16.1	4	5	.....
Minneapolis, Minn.....	400,970	72	9.4	9.4	8	8	44
Nashville, Tenn.....	122,832	22	9.3	12.0	4	8	.....
New Bedford, Mass.....	127,542	39	15.9	9.2	16	8	238
New Haven, Conn.....	109,987	27	8.3	11.2	1	7	12
New Orleans, La.....	399,616	104	13.6	19.3	19	16	.....
New York, N. Y.....	5,839,746	928	8.3	8.8	146	151	57
Newark, N. J.....	431,792	71	8.6	9.0	14	16	62
Norfolk, Va.....	124,915	28	11.7	11.2	3	4	53
Oakland, Calif.....	233,279	50	11.2	10.6	6	4	76
Omaha, Nebr.....	200,739	55	14.3	14.0	4	10	43
Paterson, N. J.....	138,521	28	10.5	9.9	6	6	92
Philadelphia, Pa.....	1,894,500	375	10.3	10.2	50	72	59
Pittsburgh, Pa.....	607,902	147	12.6	11.2	23	23	74
Portland, Oreg.....	299,240	39	7.6	7.5	2	3	20
Providence, R. I.....	241,011	44	9.5	12.2	3	13	24
Richmond, Va.....	178,365	44	12.9	10.4	7	6	85
Rochester, N. Y.....	311,548	58	9.7	8.9	12	7	92
St. Louis, Mo.....	795,008	141	9.2	10.7	16	17	.....
St. Paul, Minn.....	239,836	48	10.4	6.4	6	5	56
Salt Lake City, Utah.....	123,918	21	8.8	13.3	2	8	30
San Antonio, Tex.....	178,056	39	11.4	.....	2	.....	.....
San Francisco, Calif.....	529,792	142	14.0	9.4	9	5	52
Seattle, Wash.....	² 315,312	43	7.1	6.9	6	3	51
Spokane, Wash.....	104,445	17	8.5	11.5	2	2	43
Springfield, Mass.....	140,632	21	7.8	6.1	6	4	89
Syracuse, N. Y.....	181,012	44	12.7	9.7	8	9	96
Toledo, Ohio.....	260,717	51	10.2	8.8	10	9	98
Trenton, N. J.....	125,075	25	10.8	8.1	8	2	122
Washington, D. C.....	² 437,571	104	12.4	11.3	14	17	80
Wilmington, Del.....	115,598	20	9.0	8.3	5	6	97
Worcester, Mass.....	188,449	39	10.8	9.3	3	7	33
Yonkers, N. Y.....	105,422	17	8.4	3.5	3	3	63
Youngstown, Ohio.....	144,970	23	8.3	10.5	6	5	79

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1921. Cities left blank are not in the registration area for births.

³ Enumerated population Jan. 1, 1920.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended September 23, 1922.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

ARKANSAS.		GEORGIA—continued.	
	Cases.		Cases.
Cerebrospinal meningitis.....	1	Hookworm disease.....	38
Chicken pox.....	1	Influenza.....	86
Diphtheria.....	11	Malaria.....	83
Influenza.....	3	Measles.....	4
Malaria.....	181	Mumps.....	2
Pellagra.....	5	Pellagra.....	1
Scarlet fever.....	5	Pneumonia.....	1
Smallpox.....	1	Scarlet fever.....	15
Trachoma.....	2	Septic sore throat.....	1
Tuberculosis.....	8	Tetanus.....	2
Typhoid fever.....	20	Tuberculosis (pulmonary).....	10
Whooping cough.....	3	Typhoid fever.....	13
		Whooping cough.....	11
COLORADO.		ILLINOIS.	
(Exclusive of Denver.)		Cerebrospinal meningitis:	
Chicken pox.....	2	Chicago.....	1
Diphtheria.....	12	Diphtheria:	
Dysentery.....	1	Cook County (including Chicago).....	94
Measles.....	3	Chicago.....	85
Poliomyelitis.....	2	Jasper County.....	9
Scarlet fever.....	15	Saline County.....	9
Smallpox.....	4	Scattering.....	77
Tuberculosis.....	9	Influenza.....	2
Typhoid fever.....	36	Pneumonia.....	79
Whooping cough.....	6	Poliomyelitis:	
		Cook County (including Chicago).....	6
FLORIDA.		Chicago.....	3
		Greene County.....	1
Dengue.....	334	Sangamon County.....	1
Diphtheria.....	19	Scarlet fever:	
Influenza.....	9	Cass County.....	8
Malaria.....	21	Cook County (including Chicago).....	35
Pneumonia.....	1	Chicago.....	32
Smallpox.....	2	Peoria County.....	14
Typhoid fever.....	7	Scattering.....	57
		Typhoid fever.....	51
GEORGIA.		Whooping cough.....	124
Chicken pox.....	2		
Dengue.....	392		
Diphtheria.....	61		

IOWA.	Cases.
Diphtheria.....	71
Scarlet fever.....	38
Smallpox.....	1
Typhoid fever.....	2

KANSAS.

Chicken pox.....	5
Diphtheria.....	104
Influenza.....	2
Malaria.....	3
Measles.....	5
Mumps.....	9
Pneumonia.....	4
Scarlet fever.....	67
Smallpox.....	1
Trachoma.....	1
Tuberculosis.....	48
Typhoid fever.....	37
Whooping cough.....	23

LOUISIANA.

Dengue.....	700
Diphtheria.....	22
Influenza.....	11
Scarlet fever.....	2
Typhoid fever.....	40

MARYLAND.¹

Cerebrospinal meningitis.....	1
Chicken pox.....	13
Diphtheria.....	34
Dysentery.....	13
Influenza.....	10
Lethargic encephalitis.....	1
Malaria.....	20
Measles.....	8
Mumps.....	4
Paratyphoid fever.....	1
Pneumonia (all forms).....	14
Poliomyelitis.....	1
Scarlet fever.....	20
Septic sore throat.....	1
Tuberculosis.....	42
Typhoid fever.....	34
Vincent's angina.....	1
Whooping cough.....	64

MASSACHUSETTS.

Chicken pox.....	14
Conjunctivitis (suppurative).....	6
Diphtheria.....	139
German measles.....	3
Hookworm disease.....	1
Influenza.....	5
Lethargic encephalitis.....	2
Malaria.....	1
Measles.....	58
Mumps.....	32
Ophthalmia neonatorum.....	25
Pneumonia (lobar).....	18
Poliomyelitis.....	12
Scarlet fever.....	62
Trachoma.....	3
Tuberculosis (all forms).....	133
Typhoid fever.....	32
Whooping cough.....	141

¹ Week ended Friday.

MONTANA.	Cases.
Diphtheria.....	3
Poliomyelitis.....	1
Scarlet fever.....	6
Smallpox.....	1
Typhoid fever.....	2

NEBRASKA.

Chicken pox.....	3
Diphtheria:	
Omaha.....	18
Scattering.....	18
Lethargic encephalitis—Omaha.....	1
Measles.....	5
Mumps.....	5
Scarlet fever.....	23
Septic sore throat.....	1
Tuberculosis.....	1
Typhoid fever.....	8
Whooping cough.....	8

NEW JERSEY.

Cerebrospinal meningitis.....	2
Chicken pox.....	6
Diphtheria.....	133
Influenza.....	5
Measles.....	35
Pneumonia.....	30
Poliomyelitis.....	4
Scarlet fever.....	41
Trachoma.....	1
Typhoid fever.....	28
Whooping cough.....	105

NEW MEXICO.

Diphtheria:	
Raton.....	8
Scattering.....	15
Measles.....	1
Pneumonia.....	3
Scarlet fever.....	12
Tuberculosis.....	28
Typhoid fever:	
Albuquerque.....	22
Scattering.....	4

NEW YORK.

(Exclusive of New York City.)

Diphtheria.....	117
Influenza.....	6
Lethargic encephalitis.....	3
Measles.....	52
Pneumonia.....	53
Poliomyelitis.....	22
Scarlet fever.....	137
Smallpox.....	46
Tetanus.....	4
Typhoid fever.....	43
Whooping cough.....	159

NORTH CAROLINA.

Cerebrospinal meningitis.....	1
Chicken pox.....	5
Diphtheria.....	490
German measles.....	4
Measles.....	14

NORTH CAROLINA—continued.		WASHINGTON—continued.	
	Cases.		Cases.
Scarlet fever.....	117	Scarlet fever.....	21
Septic sore throat.....	6	Smallpox.....	2
Smallpox.....	4	Tuberculosis.....	6
Typhoid fever.....	46	Typhoid fever.....	11
Whooping cough.....	38	Whooping cough.....	24
OREGON.		WEST VIRGINIA	
Chicken pox.....	2	Anthrax—Wheeling.....	1
Diphtheria.....	2	Diphtheria.....	16
Pneumonia.....	13	Poliomyelitis—Keyser.....	1
Scarlet fever.....	6	Scarlet fever.....	9
Smallpox:		Typhoid fever.....	20
Portland.....	10		
Tuberculosis.....	42	WISCONSIN.	
Typhoid fever.....	3	Milwaukee:	
TEXAS.		Chicken pox.....	1
Dengue.....	61	Diphtheria.....	8
Diphtheria.....	3	German measles.....	2
Malaria.....	58	Measles.....	19
Paratyphoid fever.....	2	Pneumonia.....	5
Pneumonia.....	1	Poliomyelitis.....	1
VERMONT.		Scarlet fever.....	15
Chicken pox.....	1	Tuberculosis.....	5
Diphtheria.....	11	Typhoid fever.....	1
Measles.....	2	Whooping cough.....	33
Scarlet fever.....	3	Scattering:	
Typhoid fever.....	1	Chicken pox.....	16
Whooping cough.....	14	Diphtheria.....	30
WASHINGTON.		Lethargic encephalitis.....	1
Chicken pox.....	7	Measles.....	17
Diphtheria.....	24	Poliomyelitis.....	4
Measles.....	1	Scarlet fever.....	40
Mumps.....	10	Smallpox.....	5
		Tuberculosis.....	36
		Typhoid fever.....	10
		Whooping cough.....	54

Delayed Reports for Week Ended September 16, 1922.

ALABAMA.		CONNECTICUT.	
	Cases.		Cases.
Cerebrospinal meningitis.....	1	Cerebrospinal meningitis.....	1
Dengue.....	2	Chicken pox.....	4
Diphtheria.....	61	Diphtheria.....	36
Hookworm disease.....	11	German measles.....	1
Influenza.....	13	Influenza.....	1
Malaria.....	34	Malaria.....	5
Paratyphoid fever.....	3	Measles.....	14
Pellagra.....	1	Paratyphoid fever.....	1
Scarlet fever.....	35	Pneumonia (lobar).....	9
Trachoma.....	1	Poliomyelitis.....	1
Tuberculosis.....	18	Scarlet fever.....	42
Typhoid fever.....	41	Septic sore throat.....	1
CALIFORNIA.		Tetanus.....	2
Cerebrospinal meningitis:		Tuberculosis (all forms).....	38
Humboldt County.....	1	Typhoid fever.....	4
Diphtheria.....	106	Whooping cough.....	21
Influenza.....	6	DISTRICT OF COLUMBIA.	
Lethargic encephalitis—San Francisco.....	1	Chicken pox.....	1
Measles.....	7	Diphtheria.....	11
Scarlet fever.....	42	Pellagra.....	1
Smallpox:		Scarlet fever.....	2
Los Angeles County.....	8	Tuberculosis.....	28
Scattering.....	12	Typhoid fever.....	3
Typhoid fever.....	35	Whooping cough.....	12

¹ Deaths.

INDIANA.		MINNESOTA—cont'nued.	
	Cases.		Cases.
Cerebrospinal meningitis:		Tuberculosis.....	36
Boone County.....	1	Typhoid fever.....	19
Diphtheria.....	41	Whooping cough.....	9
Rabies in animals:			
Parke County.....	1	MISSISSIPPI.	
Scarlet fever.....	30	Diphtheria.....	57
Smallpox.....	5	Scarlet fever.....	6
Typhoid fever.....	24	Smallpox.....	1
		Typhoid fever.....	26
KENTUCKY.			
Diphtheria:		MISSOURI.	
Jefferson County.....	16	Chicken pox.....	6
Scattering.....	39	Diphtheria.....	43
Impetigo contagiosa.....	1	Epidemic sore throat.....	7
Influenza.....	1	Mumps.....	1
Measles:		Ophthalmia neonatorum.....	2
Jefferson County.....	1	Scarlet fever.....	19
Logan County.....	8	Tetanus.....	1
Pneumonia.....	12	Trachoma.....	111
Scarlet fever.....	13	Tuberculosis.....	42
Septic sore throat.....	3	Typhoid fever.....	24
Trachoma.....	1	Whooping cough.....	3
Tuberculosis:			
Jefferson County.....	20	NORTH CAROLINA.	
Scattering.....	5	Cerebrospinal meningitis.....	1
Typhoid fever:		Chicken pox.....	9
Jefferson County.....	8	Diphtheria.....	491
Scattering.....	22	Measles.....	11
Whooping cough.....	2	Ophthalmia neonatorum.....	1
MAINE.		Poliomyelitis.....	1
Chicken pox.....	2	Scarlet fever.....	108
Diphtheria.....	2	Septic sore throat.....	6
Mumps.....	4	Smallpox.....	2
Pneumonia.....	1	Trachoma.....	1
Scarlet fever.....	11	Typhoid fever.....	75
Tuberculosis.....	10	Whooping cough.....	43
Typhoid fever.....	6		
Whooping cough.....	5	SOUTH DAKOTA.	
MINNESOTA.		Diphtheria.....	5
Cerebrospinal meningitis.....	1	Poliomyelitis.....	1
Chicken pox.....	1	Scarlet fever.....	19
Diphtheria.....	80	Smallpox.....	3
Influenza.....	1	Tuberculosis.....	1
Measles.....	3	Typhoid fever.....	3
Pneumonia.....	3	Whooping cough.....	8
Poliomyelitis.....	2		
Scarlet fever.....	67	WYOMING.	
Smallpox.....	3	Chicken pox.....	2
Tetanus.....	1	Poliomyelitis—Goshen.....	2
Trachoma.....	11	Scarlet fever.....	3
		Tuberculosis—Natrona.....	9
		Typhoid fever.....	4

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>August, 1922.</i>										
Idaho.....		23			2			9	6	12
Illinois.....	11	654	186	78	373	2	12	370	39	255
Indiana.....	4	102	36		58		3	86	17	95
Louisiana.....	2	55	7	315	6	25	3	24	2	98
Maryland.....	7	109	29	62	82	1	2	58	5	247
Minnesota.....	4	207			37		10	249	60	56
North Carolina.....	5	1,235			62		6	252	56	387
Pennsylvania.....	17	857		1	833		27	453	1	411
Rhode Island.....	2	31	3	1	27		43	15		4
South Carolina.....		308		117	1	4		29	1	80
Vermont.....		22			32		3	10		8
West Virginia.....	2	97			5		1	80	7	164
Wisconsin.....		177	10		217		13	173	47	27

RECIPROCAL NOTIFICATION.

Minnesota—August, 1922.

Cases of communicable diseases referred during August, 1922, to other State health departments by the department of health of the State of Minnesota.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Minneapolis, Hennepin County.	Oskaloosa, Mahaska County, Iowa..	Came to Minneapolis, Aug. 16, 1922. Culture positive. Examined Aug. 18, 1922.
Duluth, St. Louis County.	Lincoln, Lancaster County, Nebr...	Came to Duluth, requested permission to return. Culture positive. Examined Aug. 15, 1922.
Scarlet fever: Minneapolis, Hennepin County.	Cogswell, Sargent County, N. Dak..	Came to Minneapolis Aug. 13, 1922. Developed scarlet fever at Minneapolis General Hospital.
Typhoid fever: Windsor Township, Clearwater County.	Decorah, Winneshiek County, Iowa.	A clinical case; home is in Iowa. Blood examination showed Widal reaction absent.
Brownsdale, Mower County.	New Cambria, Mo.....	Had visited at New Cambria, Mo. Widal reaction present Aug. 17 1922.
Tuberculosis: Sand Beach Sanatorium, Becker County.	Huron, Beadle County, S. Dak.....	A moderately advanced case; left sanatorium for home.
Thomas Hospital, Minneapolis, Hennepin County.	New Haven, New Haven County, Conn.	An incipient case; left for home June 3, 1922.
Do.....	Clark, Clark County, S. Dak.....	An incipient case; left for home July 1, 1922.
Do.....	Ipswich, S. Dak.....	A moderately advanced case; left for home July 1, 1922.
Do.....	Fulton, Callaway County, Mo.....	A moderately advanced case; left for home July 14, 1922.
Mayo Clinic, Rochester, Olmsted County.	Dardanelle, Yell County, Ark.....	1 apparently arrested; 1 apparently cured; 14 moderately advanced; 1 incipient moderately advanced; 1 fatal case; 14 found to be advanced cases; 1 stage of disease not given.
	Los Angeles, Los Angeles County, Calif.	
	Leoder, Saskatchewan County, Canada.	
	Mac Rorie, Saskatchewan County, Canada.	

Cases of communicable diseases referred during August, 1922, to other State health departments by the department of health of the State of Minnesota—Continued.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Tuberculosis—Continued. Mayo Clinic, Rochester, Olmsted County—Continued.	Florence, Fremont County, Colo.... Paris, Edgar County, Ill. Bloomington, McLean County, Ill... Shelbyville, Shelby County, Ill.... Sandborn, Knox County, Ind.... Indianapolis, Marion County, Ind... Campbellsburg, Washington County, Ind. Waukon, Allamakee County, Iowa... Norway, Benton County, Iowa..... Clinton, Clinton County, Iowa..... Estherville, Emmett County, Iowa... Gilman, Marshall County, Iowa..... Kansas City, Wyandotte County, Kans. Junction City, Boyle County, Ky... New Orleans, Orleans County, La... Toledo, Lucas County, Ohio..... Marquette, Marquette County, Mich. Borghind, Ontonagon County, Mich. Albany, Gentry County, Mo..... Gainesville, Ozark County, Mo..... Billings, Yellowstone County, Mont. Howell, Colfax County, Nebr..... Buffalo, Erie County, N. Y..... West Sunbury, Butler County, Pa... Frankfort, Spink County, S. Dak... Dallas, Dallas County, Tex..... Randolph, Dodge County, Wis..... Wausau, Juneau County, Wis..... Wausau, Marathon County, Wis..... Vienna, Clark County, S. Dak.....	
Oronoco Sanatorium.....	Sault Ste. Marie, Mich.	Left for home July 26, 1922. Stage of disease not given.
Pokegama Sanatorium, Pokegama, Pine County.	Devils Lake, Ramsey County, N. Dak. Galesburg, Traill County, N. Dak..	Advanced unimproved case; discharged June 15, 1922. Died July 6, 1922, at sanatorium.
	Abercrombia, Richland County, N. Dak. Henry, Codington County, S. Dak..	Incipient case; discharged June 17, 1922. Advanced case; discharged June 19, 1922.
Northern Pacific Hospital, St. Paul, Ramsey County.	Fargo, Cass County, N. Dak.	A far advanced case; discharged June 29, 1922. Died at hospital, July 30, 1922.
U. S. Veterans' Hospital No. 65.	Hot Springs, Garland County, Ark..	3 active cases and 1 inactive case transferred; 4 inactive, 1 quiescent, discharged.
	Denver, Colo..... Grand Forks, Grand Forks County, N. Dak. Devils Lake, Ramsey County, N. Dak. Emery, Hanson County, S. Dak.... Lemon, Perkins County, S. Dak.... Denver, Denver County, Colo..... Brookings, Brookings County, S. Dak. San Diego, San Diego County, Calif.	
Minnesota State Reformatory, St. Cloud, Sherburne County.	Santa Ana, Orange County, Calif. ...	Incipient case improved; left for home.
School for Feeble-Minded, Faribault, Rice County.	Chicago, Cook County, Ill.....	A fatal case; taken to his home.
Fair Oaks Lodge Sanatorium, Wadena, Wadena County.	Los Angeles, Los Angeles County, Calif.	A far advanced case; left for home.
Minnesota State Prison, Stillwater, Washington County.	Iowa Dorchester, Allamakee County, Iowa.	A moderately advanced case; left for home.
Dorchester, Allamakee County.	Wakefield, Gogebic County, Mich...	Clinical case; sputum examination negative August 29, 1922.
Duluth, St. Louis County.	Abingdon, Knox County, Ill.....	Died at Duluth.
St. Paul, Ramsey County.	Oak Lake Township, Brookings County, S. Dak.	An open case visited in St. Paul. Sputum examination positive August 16, 1922.
Minneapolis Health Department, Hennepin County.	Cathay, Wells County, N. Dak....	Reported by the Minneapolis health department; stage of disease not given.
	Ipswich, Edmunds County, S. Dak..	

DENGUE.**Columbia and Newberry, S. C.**

Under date of September 21, 1922, 15 cases of dengue were reported at Columbia, and 1 case was reported at Newberry, S. C.

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922.**CEREBROSPINAL MENINGITIS.**

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Sept. 9, 1922.		City.	Median for pre- vious years.	Week ended Sept. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				New Jersey:			
Birmingham.....	0	.....	1	Newark.....	0	.....	1
California:				Passaic.....	0	.....	1
San Diego.....	0	1	.....	New York:			
Illinois:				New York.....	4	3	2
Rockford.....		1	.....	Ohio:			
Massachusetts:				Cleveland.....	0	.....	2
Boston.....	0	1	.....	Pennsylvania:			
Fall River.....	0	.....	1	Philadelphia.....	0	1	.....
Peabody.....	0	1	.....	Pittsburgh.....	0	2	.....
Michigan:				Rhode Island:			
Detroit.....	0	1	.....	Pawtucket.....	0	1	.....
Missouri:				Texas:			
St. Louis.....	1	1	.....	Houston.....	0	.....	1
New Hampshire:							
Berlin.....	0	.....	1				

DENGUE.

City.	Cases.	Deaths.
Florida:		
Tampa.....	24	.....
Georgia:		
Savannah.....	53	.....

DIPHtheria.

See p. 2391; also Telegraphic weekly reports from States, p. 2379, and Monthly summaries by States, p. 2383.

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

INFLUENZA.

City.	Cases.		Deaths, week ended Sept. 9, 1922.	City.	Cases.		Deaths, week ended Sept. 9, 1922.
	Week ended Sept. 10, 1921.	Week ended Sept. 9, 1922.			Week ended Sept. 10, 1921.	Week ended Sept. 9, 1922.	
Alabama:				Michigan:			
Birmingham.....			1	Detroit.....			1
California:				Minnesota:			
Long Beach.....		1		Minneapolis.....			1
San Francisco.....	1	2		Missouri:			
Connecticut:				Kansas City.....		1	1
Hartford.....		1		Montana:			
Meriden.....	1			Missoula.....	1		
Florida:				New Jersey:			
Tampa.....	3	1	2	Newark.....	1	1	
Georgia:				New York:			
Atlanta.....	1			Buffalo.....	3		
Illinois:				Middletown.....		1	1
Chicago.....		2	1	New York.....	4	4	
Kansas:				Ohio:			
Wichita.....			1	Chillicothe.....	1		
Louisiana:				Cleveland.....	3		
Baton Rouge.....	1			Pennsylvania:			
New Orleans.....		1	1	Philadelphia.....	1	3	
Massachusetts:				West Virginia:			
Fall River.....	1			Charleston.....		1	
Lynn.....	1						

MALARIA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Michigan:		
Birmingham.....	1		Muskegon.....	5	
Montgomery.....	6		New Jersey:		
Arkansas:			Newark.....	1	
Little Rock.....	5		New York:		
California:			New York.....	2	
Long Beach.....	1		Syracuse.....	1	
Florida:			Oklahoma:		
Tampa.....	2		Oklahoma.....		1
Georgia:			Tennessee:		
Albany.....	1		Memphis.....	21	3
Augusta.....		1	Texas:		
Savannah.....	8	2	Dallas.....	9	1
Valdosta.....	1		Virginia:		
Louisiana:			Norfolk.....	1	
New Orleans.....	2		Richmond.....	2	
Maryland:					
Baltimore.....	1				

MEASLES.

See p. 2391; also Telegraphic weekly reports from States, p. 2379, and Monthly summaries by States, p. 2383.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Georgia:		
Mobile.....		2	Atlanta.....		1
California:			Louisiana:		
San Francisco.....		1	New Orleans.....	1	
District of Columbia:			North Carolina:		
Washington.....	1	1	Durham.....		1

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

PNEUMONIA (ALL FORMS).

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Minnesota:		
Birmingham.....		7	Duluth.....	3	1
Mobile.....		2	Minneapolis.....		3
California:			St. Paul.....		4
Alameda.....		1	Missouri:		
Long Beach.....		1	Independence.....		1
Los Angeles.....	15	12	Kansas City.....		5
Oakland.....	3	2	Nebraska:		
Pasadena.....		1	Omaha.....		1
San Francisco.....	6	5	New Hampshire:		
Santa Barbara.....		1	Dover.....		1
Stockton.....		1	Manchester.....		1
Connecticut:			New Jersey:		
Greenwich.....	1		Atlantic City.....	1	
Hartford.....	2		Bloomfield.....	1	
New Haven.....	3	2	Elizabeth.....		1
District of Columbia:			Jersey City.....	1	
Washington.....		5	Newark.....	8	2
Florida:			Orange.....		1
Tampa.....		2	Passaic.....		1
Georgia:			Plainfield.....		2
Atlanta.....		4	Trenton.....		2
Augusta.....		1	West Hoboken.....		1
Valdosta.....		1	New York:		
Illinois:			Auburn.....		1
Chicago.....	49	21	Buffalo.....	3	2
Decatur.....	4		Glens Falls.....	1	
Elgin.....		1	Hornell.....	1	
Freeport.....	1		Middletown.....	2	1
Mattoon.....	1		New York.....	179	59
Springfield.....		1	Niagara Falls.....		1
Indiana:			Port Chester.....	1	
East Chicago.....		1	Rochester.....	3	1
Fort Wayne.....		1	Rome.....	2	
Indianapolis.....		3	Schenectady.....		1
Logansport.....		1	Syracuse.....		2
Terre Haute.....		1	Troy.....	2	1
Iowa:			White Plains.....		1
Council Bluffs.....		1	North Carolina:		
Kansas:			Charlotte.....		2
Kansas City.....	5		Ohio:		
Topeka.....		1	Cincinnati.....		2
Wichita.....	2	1	Cleveland.....	6	3
Kentucky:			Columbus.....		2
Louisville.....		2	Dayton.....	1	
Louisiana:			Hamilton.....		1
New Orleans.....		11	Mansfield.....		1
Maine:			Niles.....	1	
Lewiston.....		2	Oklahoma:		
Portland.....		1	Oklahoma.....		2
Maryland:			Oregon:		
Baltimore.....	24	8	Portland.....		4
Cumberland.....		1	Pennsylvania:		
Massachusetts:			Philadelphia.....	28	14
Boston.....		12	Rhode Island:		
Cambridge.....		2	Providence.....		4
Chelsea.....	2		Tennessee:		
Easthampton.....	1		Memphis.....		2
Everett.....	2		Texas:		
Fall River.....		1	Beaumont.....		2
Greenfield.....	1		Dallas.....		1
Haverhill.....	1		El Paso.....		2
Holyoke.....		2	Virginia:		
Lawrence.....	1		Norfolk.....		1
New Bedford.....		2	Petersburg.....		1
Somerville.....	1		Richmond.....		1
Springfield.....	1		Roanoke.....		1
Taunton.....		1	West Virginia:		
Webster.....		1	Clarksburg.....		1
Woburn.....		1	Huntington.....		1
Worcester.....		2	Wheeling.....		4
Michigan:			Wisconsin:		
Ann Arbor.....		1	Milwaukee.....	3	
Detroit.....	16	9	Superior.....		1
Flint.....		1			
Grand Rapids.....	2				

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Sept. 9, 1922.		City.	Median for previous years.	Week ended Sept. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New York:			
Long Beach.....	0	1	.....	Auburn.....	0	6	1
Los Angeles.....	0	3	1	Hornell.....	.....	1	.....
Connecticut:				New York.....	3	8	3
Bridgeport.....	0	1	1	Fort Chester.....	0	1	.....
Illinois:				Rome.....	0	5	2
Alton.....	0	1	.....	Syracuse.....	0	7	.....
Chicago.....	4	3	1	Ohio:			
Maryland:				Cincinnati.....	0	1	1
Baltimore.....	1	1	.....	Cleveland.....	2	.....	1
Massachusetts:				Pennsylvania:			
Attleboro.....	0	1	.....	Bethlehem.....	0	1	.....
Boston.....	1	6	.....	Rhode Island:			
Fall River.....	0	1	.....	Newport.....	0	1	.....
Lynn.....	0	1	.....	Pawtucket.....	0	1	.....
Medford.....	0	1	.....	Providence.....	1	2	1
Quincy.....	0	1	1	Utah:			
New Jersey:				Salt Lake City.....	0	1	.....
Newark.....	1	1	.....	Wisconsin:			
				Janesville.....	0	1	.....
				Madison.....	0	2	.....
				Milwaukee.....	0	1	.....

RABIES IN ANIMALS.

City.	Cases.
California:	
Los Angeles.....	9
Florida:	
Tampa.....	1
Tennessee:	
Memphis.....	1

RABIES IN MAN.

City.	Cases.	Deaths.
New Jersey:		
Newark.....	1	.....

SCARLET FEVER.

See p. 2391; also Telegraphic weekly reports from States, p. 2379, and Monthly summaries by States, p. 2383.

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Sept. 9, 1922.		City.	Median for previous years.	Week ended Sept. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Oregon:			
Los Angeles.....	0	2	.....	Portland.....	1	4	.....
Michigan:				Texas:			
Battle Creek.....	1	1	.....	Houston.....	1	1	.....
Minnesota:				Waco.....	0	1	.....
Duluth.....	0	1	.....	Wisconsin:			
Montana:				Milwaukee.....	1	1	.....
Great Falls.....	1	2	.....	Oshkosh.....	0	2	.....
New York:				Superior.....	0	3	.....
Jamestown.....	0	1	.....			
Ohio:							
Toledo.....	1	6	.....			

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
District of Columbia:			New York:		
Washington.....		1	New York.....	1	.....
Florida:			Pennsylvania:		
Tampa.....	1	.....	Philadelphia.....		2
Georgia:			Tennessee:		
Valdosta.....	1	.....	Nashville.....		1
Illinois:			Texas:		
Chicago.....	2	1	Dallas.....		1
Minnesota:					
Winona.....		1			

TUBERCULOSIS.

See p. 2391; also Telegraphic weekly reports from States, p. 2379.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Sept. 9, 1922.		City.	Median for previous years.	Week ended Sept. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				District of Columbia:			
Birmingham.....	6	4	.....	Washington.....	8	3	1
Arkansas:				Georgia:			
Fort Smith.....	0	3	.....	Atlanta.....	2	3	1
Little Rock.....	3	2	.....	Augusta.....			2
California:				Savannah.....	1	2	1
Long Beach.....	0	1	.....	Illinois:			
Los Angeles.....	5	3	.....	Aurora.....	1	2	.....
Oakland.....	1	2	.....	Chicago.....	15	8	1
San Francisco.....	3	1	.....	Rockford.....	0	1	.....
Colorado:				Indiana:			
Pueblo.....	2	1	.....	Fort Wayne.....	2	2	.....
Trinidad.....	0	2	.....	Indianapolis.....	2	4	3
Connecticut:				Lafayette.....	0	1	.....
Bridgeport.....	1	1	.....	Muncie.....	0	2	.....
Hartford.....	4	1	.....	South Bend.....	1	1	.....
New Haven.....	3	2	.....			

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

TYPHOID FEVER—Continued.

City.	Median for pre- vious years.	Week ended Sept. 9, 1922.		City.	Median for pre- vious years.	Week ended Sept. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Iowa:				Ohio:			
Muscatine.....	0	2		Akron.....	3	1	
Ottumwa.....	1	1		Ashtabula.....	0		1
Waterloo.....	1	2		Canton.....	0	11	
Kansas:				Chillicothe.....	0		1
Fort Scott.....	0	1		Cincinnati.....	2	3	1
Hutchinson.....	2	1		Cleveland.....	7	3	
Kansas City.....	0	4		Columbus.....	3	3	
Lawrence.....	0	1		Dashocton.....	0	1	
Wichita.....	3	3		Dayton.....	2	1	
Kentucky:				Fremont.....	0	1	
Louisville.....	6	2		Lorain.....	0	1	
Owensboro.....		1		Marion.....	2	1	
Paducah.....	0	1		Steubenville.....	0	1	
Louisiana:				Toledo.....	3		1
New Orleans.....	7	3		Youngstown.....	0	4	
Maine:				Oklahoma:			
Portland.....	1	2		Oklahoma.....	1	4	
Maryland:				Tulsa.....	1	7	
Baltimore.....	20	4	2	Oregon:			
Cumberland.....	1	2		Portland.....	0	2	2
Massachusetts:				Pennsylvania:			
Boston.....	8	3		Allentown.....	4	3	
Brookline.....	0	1		Braddock.....	0	2	
Fall River.....	5	1		Canonsburg.....	2	1	
Haverhill.....	1	1		Contesville.....	0	1	
Lawrence.....	1	4		Johnstown.....	1	2	
Newburyport.....	0	1		Lancaster.....	0	1	
Saginaw.....	0	1		New Castle.....	1	1	
Saugus.....	0	1		Philadelphia.....	23	21	2
Springfield.....	1	2		Pittsburgh.....	9	5	
Michigan:				Pottstown.....	0	1	
Detroit.....	14	5		Reading.....	1	1	
Flint.....	5	2		Washington.....	0	1	
Holland.....	0	1		Wilkinsburg.....	0	1	
Kalamazoo.....	0	1		York.....	1	1	
Minnesota:				South Carolina:			
Minneapolis.....	1	1	1	Columbia.....	0	2	
St. Paul.....	1	1		Greenville.....	0	1	
Missouri:				Tennessee:			
Independence.....	0		1	Knoxville.....	0		1
Joplin.....	0	1		Memphis.....	3	4	
Kansas City.....	1	2	1	Nashville.....	8	2	2
St. Louis.....	11	10		Texas:			
Montana:				Fort Worth.....	1	1	1
Missoula.....	0	2		Waco.....	0	1	
Nebraska:				Utah:			
Lincoln.....	0		1	Salt Lake City.....	1	1	1
Omaha.....	1	1		Virginia:			
New Hampshire:				Norfolk.....	2		1
Berlin.....	0	1		Richmond.....	5	4	
New Jersey:				Roanoke.....	2	2	1
Jersey City.....	3	1		Washington:			
Montclair.....	0	1		Bellingham.....	1	2	
Newark.....	3	3		Seattle.....	3	1	
Paterson.....	0	1		Vancouver.....	2	2	
Rahway.....	0	3		Walla Walla.....	6	1	
Trenton.....	1		1	Yakima.....	2	1	
New Mexico:				West Virginia:			
Albuquerque.....	4	3		Charleston.....	2	2	
New York:				Clarksburg.....		2	
Buffalo.....	4	1		Huntington.....	0	1	4
New York.....	55	34	5	Martinsburg.....	0	2	
Port Chester.....	0	2		Wheeling.....	0	1	
Schenectady.....	1		1	Wisconsin:			
Yonkers.....	1	2		Kenosha.....	0	1	
North Carolina:				Milwaukee.....	2	1	
Durham.....	3	1		Sheboygan.....	0	1	
Wilmington.....	0	2	1				
Winston-Salem.....	5	3					

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	69	4	1			9		4	7
Mobile.....	60,777	22	2	1						
Montgomery.....	43,464	16	1				1		3	
Tuscaloosa.....	11,996		2							
Arizona:										
Tucson.....	20,292	10								3
Arkansas:										
Fort Smith.....	28,870	5	1							
Hot Springs.....	11,695	3								
Little Rock.....	65,142		4				3		1	
North Little Rock.....	14,048		2				1			
California:										
Alameda.....	28,806	4	1							
Bakersfield.....	18,638	7								
Glendale.....	13,536	6								
Long Beach.....	55,593	25							2	1
Los Angeles.....	576,673	139	26				16		79	16
Oakland.....	216,261	41	8				2		4	2
Pasadena.....	45,354	7	1						2	1
Richmond.....	16,843	0							1	
Riverside.....	19,341	5	1							
Sacramento.....	65,908	12	2				2		1	1
San Bernardino.....	18,721	7								
San Diego.....	74,683	28	2		1		1			1
San Francisco.....	506,676	124	21	1	3		7		29	5
Santa Ana.....	15,485	7	1							
Santa Barbara.....	19,441	7								
Santa Cruz.....	10,917	2								
Stockton.....	40,296	10	3							1
Vallejo.....	21,107	4								
Colorado:										
Pueblo.....	43,059	9								
Trinidad.....	10,906		4	1						
Connecticut:										
Bridgeport.....	143,555	21	3		2				3	4
Bristol.....	29,620	1								
Derby.....	11,238	3								
Fairfield (town).....	11,475	1			3					
Hartford.....	138,036	24	4		1		3			1
Manchester (town).....	18,379	1								
Millford (town).....	10,193	2							1	
New Haven.....	162,537	42	1	1	5	1	1		6	2
New London.....	25,688	10							1	
Norwalk.....	27,743	8								1
Norwich (city).....	22,304	8							2	1
Stonington (town).....	10,236	1								
District of Columbia:										
Washington.....	437,571	101	12				3		19	13
Florida:										
Tampa.....	51,608	13	5						2	2
Georgia:										
Atlanta.....	200,616	66	16				14			2
Augusta.....	52,548	19								
Brunswick.....	14,413	5								
Rome.....	13,252		2				2			
Savannah.....	83,252	22	3	1					2	3
Valdosta.....	10,783	6	4							1
Idaho:										
Boise.....	21,393	6								
Pocatello.....	15,001	8								
Illinois:										
Alton.....	24,682	1	2				1			
Aurora.....	36,397	8	1							
Bloomington.....	28,725	1	1							
Centralia.....	12,491	3	1							
Champaign.....	15,873		2							
Chicago.....	2,701,705	549	74	6	22	5	33		159	31
Chicago Heights.....	19,653	1								
Cicero.....	44,995	7	4				1		6	2
Decatur.....	43,818	13	1						9	2
Elgin.....	27,454	5								
Freeport.....	19,069	5	3		2				3	

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Illinois—Continued.											
Galesburg.....	23,834	11			1		1				
La Salle.....	13,050		1				1				
Mattoon.....	13,552	1									
Oak Park.....	39,828	7							1		
Pekin.....	12,086				1						
Peoria.....	76,121	25	1				5			2	
Quincy.....	35,978	9								1	
Rockford.....	65,651	10	1				2			1	
Springfield.....	59,183	22	1		1		1		11	10	
Indiana:											
Crawfordsville.....	10,139	1									
East Chicago.....	35,967	4									
Fort Wayne.....	86,549	16	2	1						1	
Frankfort.....	11,585	3					1				
Gary.....	55,378	12			1		5		1		
Hammond.....	36,004	10	1	2							
Huntington.....	14,000	3									
Indianapolis.....	314,194	82	10	2	1		2		2	2	
Kokomo.....	30,067	6	1	1	1						
La Fayette.....	22,486	4					1				
Logansport.....	21,626	4					1				
Mishawaka.....	15,195	1	3				2		1	1	
Muncie.....	36,524	4					2				
South Bend.....	70,983	9			1		6				
Terre Haute.....	66,083	11	2				3				
Iowa:											
Burlington.....	24,057	7	1				1				
Council Bluffs.....	36,162	12	1							1	
Davenport.....	56,727		9	2							
Dubuque.....	39,141		1				2				
Mason City.....	20,065	5	3								
Muscatine.....	16,068	8								1	
Ottumwa.....	23,003		1								
Sioux City.....	71,227		4								
Waterloo.....	36,230		1		6		4				
Kansas:											
Coffeyville.....	13,452	1			2				2		
Fort Scott.....	10,693	4	1								
Hutchinson.....	23,298		2						2		
Kansas City.....	101,177		3				1		2		
Lawrence.....	12,456	4									
Parsons.....	16,028	3									
Salina.....	15,085	2					2				
Topeka.....	50,022	29	4	1			3		2		
Wichita.....	72,217	20	5				1				
Kentucky:											
Covington.....	57,121	11	1							2	
Lexington.....	41,534	16									
Louisville.....	234,891	64	7	1			1		16	8	
Owensboro.....	17,424		1								
Paducah.....	24,735		3								
Louisiana:											
New Orleans.....	387,219	123	9	1			1		16	13	
Maine:											
Auburn.....	16,985	3									
Bangor.....	25,978						1				
Bath.....	14,731	6									
Biddeford.....	18,008	6									
Lewiston.....	31,791	5									
Portland.....	69,272	22	3		1		1			2	
Sanford (town).....	10,691	2									
Waterville.....	13,351						1				
Maryland:											
Baltimore.....	733,826	175	19	1	4	1	6		6	17	
Cumberland.....	29,837	8	2						1	3	
Massachusetts:											
Adams (town).....	12,967	2	2								
Amesbury (town).....	10,036	1			1						
Arlington (town).....	18,665	4							2		
Attleboro.....	19,731	1							3		
Belmont (town).....	10,749	1	1								
Beverly.....	22,561	4	2				2				

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Boston.....	748,060	166	38	4	8		9		35	15
Braintree (town).....	10,580	1			1				1	
Brookline.....	37,748	10							2	
Cambridge.....	109,694	18	5				3		3	2
Chelsea.....	43,184	5	1		1		1		1	2
Chicopee.....	36,214	11								2
Clinton.....	12,979	4								
Dedham.....	10,792	0								
Easthampton.....	11,261		1							
Everett.....	40,120		3						1	
Fall River.....	120,485	36	2		3		1		3	2
Gardner.....	16,971	6							1	
Greenfield.....	15,462	1								
Haverhill.....	53,884	13	2						1	1
Holyoke.....	60,203	16							2	2
Lawrence.....	94,270	13							5	2
Lowell.....	112,750	28	1				1		5	3
Lynn.....	99,148	24	1		2		3		3	2
Malden.....	49,103	4					4		2	
Medford.....	39,038	5	2						3	
Methuen.....	15,189	0	1							
New Bedford.....	121,217	19	1				1		7	2
Newburyport.....	15,618				1				1	
Newton.....	46,054	8	2	1			1		1	
North Adams.....	22,282	2	1						1	
Northampton.....	21,951	8								
Peabody.....	19,552	5	3							
Pittsfield.....	41,763	11		1			3		3	1
Plymouth.....	13,045	4								
Quincy.....	47,876	7			1				1	
Salem.....	42,529	13			1		1		1	
Saugus.....	10,874	0								
Somerville.....	63,091	11	1				5			
Southbridge.....	14,245	3								
Springfield.....	129,614	13		1	2		2		2	2
Taunton.....	37,137	8							1	
Wakefield.....	13,025	2								
Watertown.....	21,457	3	5				1			
Webster.....	13,258	3							1	
Westfield.....	18,604	3	2							
Winthrop.....	15,455	2								
Woburn.....	16,574	3								
Worcester.....	179,754	40	2				2	1	2	1
Michigan:										
Alpena.....	11,101		1				1			
Ann Arbor.....	19,516	12			1					
Battle Creek.....	36,164		1							
Detroit.....	963,678	161	26	2	3		25		61	24
Flint.....	91,599	12	7		4		5			1
Grand Rapids.....	137,634	22	6				1		3	2
Hamtramck.....	48,615	0	3						1	
Highland Park.....	46,499	9								2
Holland.....	12,183	1	1							
Kalamazoo.....	48,487	16	5							1
Marquette.....	12,718	3			1					
Muskegon.....	36,570	7	3				1			
Pontiac.....	34,273	10	1							1
Port Huron.....	25,944	5	1				1			
Saginaw.....	61,903	19	3	1			9		1	2
Sault Ste. Marie.....	12,096	0					1			
Minnesota:										
Duluth.....	98,917	12					2			
Hibbing.....	15,089						8			
Minneapolis.....	380,582	70	17		4		7		12	4
St. Cloud.....	15,873		1						1	
St. Paul.....	234,698	55	9	1			10	1	17	1
Winona.....	19,143	8	1						2	
Missouri:										
Cape Girardeau.....	10,252		1							
Independence.....	11,686	5								
Kansas City.....	324,410	86	5	3	1		1		7	5
St. Joseph.....	77,939		2							
St. Louis.....	772,897	171	12	1			5		21	17

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Montana:										
Great Falls.....	21,121	6	3	2						
Missoula.....	12,668	0								
Nebraska:										
Lincoln.....	54,948	17								2
Omaha.....	191,601	35	21	2			3			
Nevada:										
Reno.....	12,016	6								2
New Hampshire:										
Berlin.....	16,104	2								
Dover.....	13,029	6								1
Keene.....	11,210	4								1
Manchester.....	78,384	18	1							
New Jersey:										
Asbury Park.....	12,400	4								
Atlantic City.....	50,707	14			1					
Bayonne.....	76,754		3		1			4		1
Bloomfield.....	22,019	2			1					
Clifton.....	26,470	3	1							
East Orange.....	50,710	4								
Elizabeth.....	95,783		8				1	5		1
Englewood.....	11,627	3							2	
Garfield.....	19,381	4								
Hackensack.....	17,667	4	1							
Harrison.....	15,721				1			1		2
Hoboken.....	68,166	10	1					5		
Jersey City.....	298,103		13				4	1		
Kearny, N. Y.....	26,724	4	3		1		3	2		
Montclair.....	28,810	4								1
Morristown.....	12,548	8							14	1
Newark.....	414,524	65	19		16		3	1	1	1
Orange.....	33,268	6	1		5		2	1		
Passaic.....	63,841	18	2		2		2	4		
Paterson.....	135,875		3		1		2	1		2
Perth Amboy.....	41,707	11	1							
Phillipsburg.....	16,923	5								
Plainfield.....	27,700	7			1					
Rahway.....	11,042	1	2				1		1	
Summit.....	10,174	2							5	
Trenton.....	119,289	24	7				2			
West Hoboken.....	40,074	2			1					
West Orange.....	15,573									
New Mexico:										
Albuquerque.....	15,157	5		1						3
New York:										
Auburn.....	36,192	9	2	2						
Buffalo.....	506,775	138	8				14		17	5
Elmira.....	45,393		2							
Geneva.....	14,648	2							1	
Glens Falls.....	16,638	5								
Hornell.....	15,025	1			1				1	
Hudson.....	11,745	1							1	
Ithaca.....	17,004	4					4		1	
Jamestown.....	38,917	7	1		1				1	
Lackawanna.....	17,918	3								
Lockport.....	21,308	4							1	1
Middletown.....	18,420									
Mount Vernon.....	42,723	5								
New York.....	5,620,048	990	83	4	13			2	179	9
Newburgh.....	30,366	6			1				1	
Niagara Falls.....	50,760	14	2				3			
North Tonawanda.....	15,482	1					4			
Olean.....	20,506	3								
Peekskill.....	15,868	5			1					
Plattsburg.....	10,909	6								
Port Chester.....	16,573	2								
Rochester.....	285,750	37	2		5		10		9	1
Rome.....	26,441	13								
Saratoga Springs.....	13,181	3	1							
Schenectady.....	88,723	29			1		7		5	3
Syracuse.....	171,717	30	18	1			6		3	1
Troy.....	72,013	21								
Watertown.....	31,285	6								1

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Janu- ary 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
White Plains.....	21,031	3							1	1
Yonkers.....	100,176	12					1			1
North Carolina:										
Charlotte.....	46,338	24	14						7	4
Durham.....	21,719	9	3				1		1	2
Greensboro.....	15,861	3								
Raleigh.....	24,418	10	1				2			2
Rocky Mount.....	12,742	5								1
Wilmington.....	33,372	9	1	1						
Winston-Salem.....	48,395	13	2				1			2
North Dakota:										
Fargo.....	21,961	0								
Ohio:										
Akron.....	208,435	24	2		2		8			
Ashtabula.....	22,082	7	1							
Barberton.....	18,811	2								
Bucyrus.....	10,425	0					1			
Canton.....	87,091	18	3		1				2	
Chillicothe.....	15,831	6								
Cincinnati.....	401,247	98	5		1		3		14	14
Cleveland.....	798,841	150	24	4	1		24		20	8
Cleveland Heights.....	18,236				1				1	
Columbus.....	237,031	64	6				6		5	
Coshocton.....	10,847								1	
Dayton.....	152,559	35	4				5			
East Cleveland.....	27,292	8							2	
Findlay.....	17,021	4								
Fremont.....	12,468	1								
Hamilton.....	39,675	10					2			
Lancaster.....	14,703	6								1
Lorain.....	37,295				2					
Mansfield.....	27,824	6								
Marion.....	27,891	2					1			
Martins Ferry.....	11,634	3					1			
Middletown.....	23,594	5							1	1
Newark.....	28,718	12							1	
Niles.....	13,080	1	1						1	
Norwood.....	24,966	2								
Piqua.....	15,044	2								
Salem.....	10,395	0								
Sandusky.....	22,897	3								
Springfield.....	60,840	10		1			1			
Steubenville.....	28,598	10	1							
Toledo.....	243,164	66	12		1		5		7	3
Youngstown.....	132,358	17	7				4		1	3
Zanesville.....	29,599	8	2				1		1	1
Oklahoma:										
Oklahoma.....	91,295	23	1				2		2	2
Tulsa.....	72,075		1				2			
Oregon:										
Portland.....	258,288	52	4		2		2		15	3
Pennsylvania:										
Allentown.....	73,502		8						2	
Ambridge.....	12,730		1							
Beaver Falls.....	12,802				3					
Berwick.....	12,181		1				2			
Bethlehem.....	50,358		4				1			
Braddock.....	20,879		3		4					
Bristol.....	10,273		1				1			
Butler.....	23,778		1							
Canonsburg.....	10,632		2		3					
Carnegie.....	11,516						1			
Carrick.....	10,504						3			
Chambersburg.....	13,171						3			
Chester.....	58,030				4				4	
Donora.....	14,131		2							
Duquesne.....	19,011						1			
Easton.....	33,813		1							
Erie.....	93,372		4							
Farrell.....	15,586						1			
Greensburg.....	15,033						1			
Harrisburg.....	75,917		11		2		3			
Hazleton.....	32,277		1		2					

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Janu- ary 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Pennsylvania—Continued.											
Homestead.....	20,452		1								
Johnstown.....	67,327		4				3				
Lancaster.....	53,150		4				7			2	
McKees Rocks.....	16,713		18		1		1				
McKeesport.....	45,781		2						1		
Mount Carmel.....	17,469		2								
New Kensington.....	11,987		1				1				
Norristown.....	32,319						1				
Oil City.....	21,274		1								
Philadelphia.....	1,823,779	373	38	2	53	1	25	1	71	42	
Pittsburgh.....	588,343		23		15		14		6		
Pottsville.....	21,876		1								
Reading.....	107,784		10		3						
Scranton.....	137,783		5								
Sharon.....	21,747						1				
Steelton.....	13,428		2								
Uniontown.....	15,692						1				
Warren.....	14,272								5		
Washington.....	21,480										
Wilkes-Barre.....	73,833		1				1		1		
Wilkinsburg.....	24,403						4				
Williamsport.....	36,198		3				1		1		
Woodlawn.....	12,495		1		2						
York.....	47,512		3				1				
Rhode Island:											
Cranston.....	29,407	8								1	
Cumberland (town).....	10,077	2									
Newport.....	30,255	5					1				
Pawtucket.....	64,248	6									
Providence.....	237,595	57	4		2		2			2	
South Carolina:											
Columbia.....	37,524		1				2		1		
Greenville.....	23,127	6	3				2				
South Dakota:											
Sioux Falls.....	25,202	4					1				
Tennessee:											
Chattanooga.....	57,895		3				2				
Knoxville.....	77,818		4	1	4		3		1	1	
Memphis.....	162,351	57	15				1		6	4	
Nashville.....	118,342	30	4		1		3		3	2	
Texas:											
Beaumont.....	40,422	16	1							1	
Corpus Christi.....	10,522	6							1	1	
Dallas.....	158,976	41	5				1		1	3	
El Paso.....	77,560	30								9	
Fort Worth.....	106,482	22					1				
Galveston.....	44,255	11	1								
Houston.....	138,276	32	3						2	5	
San Angelo.....	10,050	2									
Waco.....	38,500	12	1	1						3	
Utah:											
Salt Lake City.....	118,110	14	2							1	
Vermont:											
Burlington.....	22,779	7									
Rutland.....	14,954	9									
Virginia:											
Alexandria.....	18,060	4	2								
Lynchburg.....	30,070	5	2						3		
Norfolk.....	115,777		5				2			1	
Petersburg.....	31,012	11	2				1		1	1	
Portsmouth.....	54,387	13					4			1	
Richmond.....	171,667	44	11				8		9	4	
Roanoke.....	50,842	13	14							1	
Washington:											
Seattle.....	315,312		2		2		1		12		
Tacoma.....	96,965		2								
Walla Walla.....	15,503								1		
West Virginia:											
Bluefield.....	15,282	6	7								
Charleston.....	39,608	7	2						2		
Clarksburg.....	27,869	5	2	1			1				
Fairmont.....	17,851		1								

CITY REPORTS FOR WEEK ENDED SEPTEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Janu- ary 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
West Virginia—Continued.										
Huntington.....	50,177	30	2				1			2
Moundsville.....	10,669	5					4			
Parkersburg.....	20,050	5								
Wheeling.....	56,208	12	1				3		1	
Wisconsin:										
Appleton.....	19,561		1							
Beloit.....	21,284	3					10			
Eau Claire.....	20,906		1							
Fond du Lac.....	23,427	7								
Green Bay.....	31,017		8				1			
Janesville.....	18,293	3								
Kenosha.....	40,472	2					1			
La Crosse.....	30,421						3			
Madison.....	38,378				3				1	
Milwaukee.....	457,147		5		10		10		16	
Oshkosh.....	33,162	13								
Racine.....	58,593	18			1		1		3	
Sheboygan.....	30,935		5							
Superior.....	39,671	6	2							1
Wausau.....	18,661		2							
West Allis.....	13,745		1							
Wyoming:										
Cheyenne.....	13,829	4							1	

FOREIGN AND INSULAR.

CANADA.

Communicable Diseases—Ontario—May, June, July, 1922.

The following table shows the number of cases of certain communicable diseases reported in the Province of Ontario, Canada, during the months of June, July, and August, 1922. (Population, estimated, 2,523,200.

Disease.	June.		July.		August.	
	1922	1921	1922	1921	1922	1921
Chicken pox.....	101	137	(1)	(1)	(1)	(1)
Diphtheria.....	65	185	159	285	197	264
Measles.....	1,031	28	890	223	250	50
Mumps.....	16	21	(1)	(1)	(1)	(1)
Scarlet fever.....	53	110	157	101	141	114
Smallpox.....	6	7	40	104	31	24
Typhoid fever.....	2	1	92	44	63	152
Whooping cough.....	19	80	79	227	163	151

¹ Not stated.

A large increase in the number of cases of poliomyelitis (infantile paralysis) was reported in the Province for the month of August, 1922, over both the previous month and the corresponding month of 1921. The following figures are given in the report of the Provincial Board of Health: August, 1922—cases, 92, deaths, 11; August, 1921—cases, 23, deaths, 3; July, 1922—cases, 3, deaths, 0. Fifty-four cases with 5 deaths occurred during August, 1922, in the city of Hamilton; the other 38 cases were scattered throughout the Province.

CUBA.

Communicable Diseases—Habana—Provinces.

Communicable diseases have been notified in Cuba as follows:

Habana.

Disease.	July, 1922.		August, 1922.	
	New cases.	Deaths.	New cases.	Deaths.
Beriberi.....	1	1		
Chicken pox.....	4	0	3	0
Diphtheria.....	8	3	7	0
Leprosy ¹				
Malaria.....	120	4	83	3
Measles.....			1	0
Paratyphoid fever.....	1	0	2	0
Scarlet fever.....	1	0	8	0
Smallpox.....	6	0	4	0
Typhoid fever.....	60	10	45	23

¹ 10 cases under treatment.

Provinces.

Province.	New cases reported during July, 1922.								
	Chicken pox.	Diphtheria.	Infantile tetanus.	Malaria.	Measles.	Paratyphoid fever.	Pollomyelitis (infantile paralysis).	Scarlet fever.	Typhoid fever.
Camaguey.....	1	2	.....	25	.....	5	.....	.....	23
Habana.....	7	25	2	126	1	14	.....	4	89
Matanzas.....	7	1	.....	3	.....	3	1	1	41
Oriente.....	13	2	.....	236	.....	2	.....	.....	69
Pinar del Rio.....	2	1	.....	22	.....	4	.....	.....	26
Santa Clara.....	4	.....	2	10	.....	28	.....	.....	78
Total.....	34	31	4	412	1	61	1	5	326

INDIA.

Improved Health Conditions—Karachi—1921.

The report of the municipal health officer of Karachi, India, for the year 1921, presents some interesting figures relative to improved health conditions resulting from a campaign for improved municipal sanitation and better water supply.

The population of the municipal district according to the census of 1921 was stated to be 201,634. The total number of deaths for the year was 5,461, a death rate of 27.08 per 1,000 population, stated to be the lowest, with one exception, in the last 20 years, as against 7,296 deaths, 36.24 per 1,000 population, for 1920.

The mortality from plague was 286, the smallest number of deaths from that disease recorded since 1896.

The infant mortality rate for 1921 was 249 per 1,000 births, stated to be the lowest in 25 years.

Influenza appeared in mild form in January, 1921, and 417 deaths from this disease were reported during the year; but of this number 300 were attributed to influenza-pneumonia.

MEXICO.

Typhus Fever—Vera Cruz.

Typhus fever was reported present in Vera Cruz, Mexico, September 12, 1922, with one death occurring on that date.

PANAMA.

Communicable Diseases—August, 1922.

Communicable diseases were reported to the chief health officer, Panama Canal, during the month of August, 1922, as follows:

Disease.	Panama.	Colon.	Canal Zone.	Non-resident.	Total.
Chickenpox.....	4				4
Diphtheria.....	10		3		13
Hookworm disease.....	26	5	26	21	78
Malaria.....	17	7	107	34	165
Measles.....	5		1		6
Mumps.....			1		1
Pneumonia.....		3	1		4
Scarlet fever.....	1		2		3
Smallpox.....	1			5	6
Tuberculosis.....	3	9	6	2	20
Typhoid fever.....	1	2		1	4
Whooping cough.....		3			3

POLAND.

Communicable Diseases.

Communicable diseases were reported in Poland, exclusive of the districts of Brest-Litovsk and Minsk, for the week ended July 8, 1922, as follows:

July 2-8, 1922.

Disease.	Cases.	Deaths.	Districts of highest mortality.
Cerebrospinal meningitis.....	14	5	Silesia.
Cholera.....	1	1	Volhynia.
Diphtheria.....	80	7	Polesia.
Measles.....	332	8	Stanislawow.
Scarlet fever.....	259	47	Do.
Smallpox.....	28	3	Do.
Tuberculosis.....	94	139	Lodz, Lwow, Warsaw City.
Typhoid fever.....	237	15	Kielce, Lodz, Polesia.
Typhus fever.....	369	36	Lwow.
Typhus, recurrent.....	478	20	Lublin.

Botulism.

One death from botulism was reported in the district of Lublin during the period July 2-8, 1922.

RUSSIA.

Cholera—January 1-August 12, 1922.

According to information furnished by the People's Health Commissariat, as reported by the health section of the League of Nations, 42,448 cases of cholera were notified in Russia from January 1 to August 12, 1922.

Typhus Fever—Relapsing Fever—Ukraine.

The Central Statistical Bureau at Kharkov, in reporting the figures given below, states that they do not represent the total incidence of

typhus fever in the Ukraine, which is much higher than that indicated by the number of cases notified. They give an idea, however, of the prevailing conditions. The figures were published in the Epidemiological Report of the health section of the League of Nations for September 8, 1922.

Typhus fever.—January, 1922, 30,791 cases; February, 35,818; March, 51,771; April, 53,651; May, 57,797; a total of 229,828 cases as against 125,929 during the corresponding period of 1921.

Relapsing fever.—The notifications of relapsing fever during the months January–May, 1922, were as follows: January, 39,536 cases; February, 39,952; March, 47,672; April, 45,620; May, 53,695; a total of 226,475 cases against 194,922 during the corresponding period of 1921.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended September 29, 1922.¹

The reports contained in the following tables must not be considered as complete or final, either as regards the list of countries included or the figures for the particular countries for which reports are given.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Shanghai.....	Aug. 7-20.....	1	24	Case, foreign; deaths, native.
Tientsin.....	Aug. 6-19.....	2		
India:				
Calcutta.....	Aug. 6-12.....	3	3	
Rangoon.....	do.....	3	4	
Indo-China:				
Saigon.....	June 25-Aug. 5....	29	27	Including area of 100 square km.
Poland:				
Volhynia.....	July 2-8.....	1	1	
Rumania:				
Bucharest.....	Aug. 21.....	1		
Siam:				
Bangkok.....	July 16-29.....	1	1	

PLAGUE.

Algeria:				
Algiers.....	Aug. 27.....	1		
Oran.....	Aug. 5-31.....	10		
Asia Minor:				
Smyrna.....	Aug. 13-26.....	2		
Azores:				
St. Michaels Island.....	July 30-Aug. 12....	10	6	About 3 miles from port.
Ceylon:				
Colombo.....	Aug. 6-12.....	1	2	
China:				
Amoy.....	July 30-Aug. 5....			Present; stated to be decreasing.
Do.....	Aug. 6-12.....			
Foochow.....	do.....	1	1	Do.
Hongkong.....	July 30-Aug. 12....	20	15	
France:				
Paris.....	Aug. 11-18.....	4		
India:				
Bombay.....	Aug. 6-12.....	9	6	July 9-15, 1922; cases, 246; deaths, 192.
Madras Presidency.....	do.....	171	116	
Rangoon.....	do.....	42	37	
Indo-China:				
Saigon.....	June 25-Aug. 5....	8	5	Including area of 100 square km.
Madagascar:				
Tamatave.....	Sept. 13.....			Present.

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended September 29, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Palestine:				
Jerusalem.....	Aug. 22-28.....	1		Native quarter of Jaffa.
Portugal:				
Lisbon.....	July 23-27.....	4	1	
Siam:				
Bangkok.....	July 16-29.....	2	2	
Turkey:				
Constantinople.....	Aug. 20-26.....	2	1	

SMALLPOX.

Asia Minor:				
Smyrna.....	Aug. 10-26.....	1		
Brazil:				
Para.....	Aug. 27-Sept. 2....	16		
Canada:				
Ontario.....	Sept. 3-9.....	1		
China:				
Amoy.....	July 30-Aug. 5.....			Present.
Harbin.....	do.....	1		
Hongkong.....	Aug. 6-12.....	1		
Cuba:				
Habana.....	July 1-31.....	6		July 1-31, 1922: Cases, 40.
Do.....	Aug. 1-31.....	4		
Dominican Republic:				
San Pedro de Macoris.....	Aug. 13-19.....	25		
India:				
Bombay.....	July 9-15.....	1	2	
Calcutta.....	Aug. 6-12.....	2	2	
Madras.....	Aug. 6-19.....	113	44	
Rangoon.....	do.....	3	3	
Indo-China:				
Saigon.....	June 30-Aug. 5....	30	22	Including area of 100 square km.
Java:				
West Java—				
Batavia.....	July 29-Aug. 4....	11		Province.
Mexico:				
Mexico City.....	Aug. 6-19.....	33		Including municipalities in Federal district.
San Luis Potosi.....	Aug. 27-Sept. 9....		4	
Poland.....				July 2-8, 1922: Cases, 28; deaths, 3.
Portugal:				
Oporto.....	Aug. 27-Sept. 2....	1		
Spain:				
Barcelona.....	Aug. 10-16.....		1	
Straits Settlements:				
Singapore.....	July 30-Aug. 5....	2	1	
Turkey:				
Constantinople.....	Aug. 13-19.....	4	3	
Union of South Africa:				
Cape Province.....	July 23-29.....			Outbreaks.
Southern Rhodesia.....	Aug. 3-9.....	3		
Transvaal.....	July 24-29.....			Do.

TYPHUS FEVER.

Asia Minor:				
Smyrna.....	Aug. 13-19.....	4		
China:				
Antung.....	Aug. 6-20.....	2		
Foochow.....	Aug. 6-12.....	4		
Harbin.....	July 30-Aug. 5....	1		
Czechoslovakia:				
Prague.....	July 1-31.....	1	1	
Egypt:				
Alexandria.....	Aug. 13-19.....	3	2	
Germany:				
Berlin.....	July 30-Aug. 12....		8	
Coblenz.....	July 27-Aug. 2....	6		
Stuttgart.....	Aug. 20-29.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS-FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended September 29, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Mexico City.....	Aug. 6-19.....	51	1	July 2-8, 1922: Cases, 369; deaths, 36. Recurrent typhus: Cases, 478; deaths, 20.
Vera Cruz.....	Sept. 12.....			
Poland.....				
Spain:				
Madrid.....	July 1-31.....		6	
Union of South Africa:				
Johannesburg.....	July 1-31.....	1		
Turkey:				
Constantinople.....	Aug. 13-26.....	9	1	
Union of South Africa:				
Cape Province.....	July 23-29.....			Outbreaks.
Transvaal.....	do.....			Do.

Reports Received from July 1 to September 22, 1922.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	May 14-June 24.....	1	4	Present. Stated to have been imported from Shanghai.
Newchwang.....	July 27.....			
Pootung.....	Aug. 3.....			Present.
Shanghai.....	June 25-July 31.....	198		Aug. 1-6: Cases, 1, foreign; deaths, 11, Chinese. July 29: Stated to be 250 cases in Chinese isolation hospital.
Tientsin.....	July 25.....	2	2	Foreign concession.
Woosung.....	Aug. 3.....			About 75 deaths reported for previous week.
Greece:				
Athens.....	June 29.....	1	1	At quarantine station, among passengers from vessel carrying Russian refugees.
Saloniki.....	June 7-17.....	30	11	
India:				Feb. 23-June 17, 1922: Deaths, 32,649. (Report for week ended Feb. 25, 1922, not received.)
Bombay.....	Apr. 23-June 17.....	12	5	
Do.....	July 2-8.....	1	1	
Calcutta.....	Apr. 23-June 24.....	536	378	
Do.....	June 25-Aug. 5.....	44	43	
Madras.....	May 21-June 17.....	3	1	
Do.....	July 16-Aug. 5.....	4	2	
Rangoon.....	May 7-June 24.....	116	65	
Do.....	June 25-Aug. 5.....	86	51	
Philippine Islands:				
Manila.....	May 21-June 24.....	8		
Do.....	June 25-Aug. 5.....	9	1	
Province—				
Bataan.....	June 4-10.....	1		
Batangas.....	May 26-June 24.....	15	11	
Do.....	June 25-July 8.....	5	3	
Bulacan.....	Apr. 30-May 6.....	1	1	
Camarines Sur.....	Mar. 25-Apr. 1.....	1	1	
Laguna.....	Apr. 16-22.....	1		
Marinduque.....	June 25-July 1.....	3	3	
Mindoro.....	Apr. 23-29.....	1		
Nueva Ecija.....	June 11-17.....	1	1	
Pampanga.....	Apr. 16-June 24.....	6	5	
Do.....	June 25-July 8.....	1	1	
Pangasinan.....	June 18-24.....	3	1	
Rizal.....	Apr. 2-June 24.....	3	1	
Tarlac.....	May 21-June 10.....	4	4	

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Poland:				
Rovno.....	June 11-24.....	8	3	Repatriation station: Cases occurring among persons repatriated from Russia.
Do.....	June 25-Aug. 5.....	33	10	
Zamosc.....	Aug. 21.....		1	
Rumania:				
Crangasi.....				To July 31, 1922: Cases, 11; deaths, 6. First case in soldier from frontier on Dniester River. Crangasi, a suburb of Bucharest.
Province—				
Bessarabia—				
Cobusea.....	July 24.....	1		Reported Aug. 11.
Codaeshti.....		3		
Orhei.....				
Rascoutzi.....		11	1	Reported July 29.
Siam:				
Bangkok.....	Apr. 30-June 17...	15	9	Reported Aug. 11.
Do.....	July 2-15.....	5	2	
Straits Settlements:				
Singapore.....	July 16-22.....	1	1	
Syria:				
Aleppo.....	May 27-June 3.....			A few cases in interior. Present in interior.
Do.....	June 25-Aug. 26.....			
On vessel:				
S. S. Chios.....	July 16.....	1		At Kavak quarantine station: Bosphorus, from Novorossysk, a Russian Black Sea port. Case occurred in a recognized carrier. Vessel carried refugees for Saloniki, Greece. Six bodies buried at sea; 12 cases landed at Kavak during stay.

PLAGUE.

Algeria:				
Oran.....	Aug. 1-20.....		3	
Asia Minor:				
Smyrna.....	May 28-June 17...	3	1	District.
Do.....	June 30-Aug. 12...	6	1	
Australia:				
New South Wales—				
Sydney.....	June 1-15.....	2		Apr. 2-June 10, 1922: 19 plague-infected rats found.
Queensland—				
Brisbane.....	July 23-29.....			One plague rat.
Azores:				
St. Michaels Island.....	June 25-July 22...	18	3	At Arrifes and Ribeira, about 9 miles from port of Ponta Delgada.
Brazil:				
Bahia.....	June 11-17.....	1		May 7-June 4: Rodent: occurring in one section of the city. Many dead rats found.
Pernambuco.....	May 7-13.....	1		
Porto Alegre.....	July 30-Aug. 5.....	1		
British East Africa:				
Kenya Colony.....				Mar. 1-May 31, 1922: Cases, 187; deaths, 172. July 9-15, 1922: Deaths, 14.
Nairobi.....	Feb. 1-28.....	15	15	
Ceylon:				
Colombo.....	May 6-June 24.....	13	10	Plague rats, 5.
Do.....	June 25-Aug. 5.....	13	13	Plague rats, 9.
China:				
Amoy.....	May 7-June 24.....		87	May 20: From 10 to 20 deaths reported daily. July 16-22: Present.
Do.....	June 25-July 15.....		76	
Canton.....	May 1-June 30.....	28	23	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Foochow.....	May 7-June 10....	5	4	June 17-24: Present. June 21: Mildly epidemic; 2 fatal cases in foreign physicians.
Do.....	July 2-8.....	2	.....	June 25-July 22, 1922: Prevalent.
Hongkong.....	June 4-24.....	176	104	
Do.....	June 25-July 29....	109	79	
Ecuador:				
Guayaquil.....	June 1-15.....	.....	.....	Rats found infected, 16; examined, 3,400.
Do.....	July 1-31.....	.....	.....	Rats examined, 9,200; found infected, 6.
Egypt.....				Jan. 1-June 29, 1922: Cases, 280; deaths, 120. Jan. 1-Aug. 10, 1922: Cases, 414, deaths, 185.
City—				
Alexandria.....	June 1-28.....	21	6	
Do.....	July 2-Aug. 22.....	14	5	
Port Said.....	June 12-25.....	2	5	Septicemic, 1.
Do.....	July 2-Aug. 19.....	27	21	Foreign cases, 2; deaths, 2.
Suez.....	May 24-June 25.....	7	6	
Do.....	July 10-Aug. 8.....	3	2	Aug. 5: One case imported from Mauritius on S. S. Dumbea.
Province—				
Assiout.....	May 30-June 23....	14	8	Septicemic, 1.
Do.....	July 11-Aug. 5.....	6	3	
Benisouef.....	May 26-June 30....	19	7	
Do.....	July 2-Aug. 7.....	28	13	
Fayoum.....	June 3-29.....	8	4	
Do.....	July 2-20.....	13	3	
Gharbich.....	May 26-June 30....	37	13	
Do.....	July 2.....	3	.....
Menoufieh.....	July 20.....	1	1	
Minieh.....	June 2-29.....	24	7	
Do.....	July 14-Aug. 19....	16	7	
Greece:				
Patras.....	Apr. 24-June 25....	5	3	
Hawaii:				
Hamakua.....	June 30-July 4.....	1	1	At Kalopa Homesteads. Case, Hawaiian.
Do.....	July 8.....	.....	.....	Hamakua Mill Co. One plague rat trapped; found positive, July 14, 1922.
Honakaa.....	Aug. 19.....	1	1	Japanese; bubonic. Aug. 12, 1922: 2 plague rats found.
Honakaa Mill.....	Aug. 24.....	1	1	Japanese; pneumonic.
Kalopa.....	July 13.....	1	1	Contact with case at Kalopa Homesteads, July 4.
Pauuhau.....	June 30.....	.....	.....	One plague rat trapped at Pauuhau Gulch, June 29; found positive, June 30, 1922.
Pauulo.....	July 7.....	.....	1	At Pohakea: Japanese.
Pohakea.....	Aug. 1-16.....	2	2	Aug. 1, Japanese child; case reported positive for plague Aug. 6, 1922. Form, pneumonic. Aug. 16, one fatal case in Japanese.
Pohakuhaku.....	July 12.....	1	1	Hawaiian. Reported positive, July 19.
India.....				Apr. 23-June 17, 1922: Cases, 6,075; deaths, 4,642. June 25-July 8, 1922: Cases, 501; deaths, 375.
Bombay.....	Apr. 23-June 24....	168	123	Surrounding country, July 2-8, 1922: Cases, 21; deaths, 16.
Do.....	June 25-July 8.....	10	6	
Calcutta.....	Apr. 23-June 24....	56	54	
Do.....	June 25-July 22....	11	11	
Karachi.....	May 23-June 24....	59	55	
Do.....	June 25-July 8.....	3	3	
Madras Presidency.....	May 21-June 24....	74	36	
Do.....	June 25-Aug. 5.....	505	317	
Rangoon.....	May 6-June 24.....	175	161	
Do.....	June 25-Aug. 5.....	211	191	
Indo-China:				
Saigon.....	Apr. 23-June 24....	30	21	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Catania.....	June 17.....	1		
Naples.....	July 18-25.....	4		Occurring in suburbs, viz, at Torre Annunziata, July 18-20, 3 cases; San Giovanni a Teduccio, July 25, 1 case.
Japan:				
Osaka.....	July 11-20.....	7	6	Reported as having occurred during past month, cases, 9; deaths, 8.
Java.....				Month of April, 1922: Report of the 7 Provinces of Java: Cases, 413; deaths, 495. May 1-31, 1922: Cases, 293; deaths, 310; occurring in 6 Provinces. June 1-30, 1922: Cases, 222; deaths, 259; occurring in 5 Provinces.
East Java—				
Soerabaya.....	May 7-June 24....	3	3	Epidemic.
Soerakarta—				
Kepren.....	May 20.....			
Madagascar:				
Tananarive Province—				
Anketrina.....	May 4.....		1	Native village: disease stated to have been present since about Apr. 27, 1922. (Name of locality corrected.)
Tamatave.....	Aug. 21.....			Present.
Tananarive.....	May 20-June 18....	2	1	
Mesopotamia:				
Bagdad.....	Apr. 1-June 30....	268	188	
Mexico:				
Vera Cruz.....	June 30.....			One plague-infected rat.
Palestine:				
Jerusalem.....	July 4-Aug. 14....	32	2	In native quarter of Jaffa.
Peru.....				May 1-15, 1922: Cases, 36; deaths, 19. June 1-30, 1922: Cases, 87; deaths, 15. July 1-31, 1922: Cases, 63; deaths, 35.
Philippine Islands:				
Manila.....	June 3.....	1	1	From S. S. Taisang from Amoy, China.
Portugal:				
Lisbon.....	July 31-Aug. 6....		1	
Portuguese West Africa:				
Guinea.....				Reported present, Aug. 24, 1922.
Senegal:				
Dakar.....	June 1-30.....	1	1	
Do.....	July 1-31.....	2	2	
Siam:				
Bangkok.....	Apr. 30-June 3....	4	3	
Do.....	July 2-15.....	2	2	
Straits Settlements:				
Singapore.....	Apr. 30-June 24....	8	9	
Do.....	July 9-15.....	1	1	
Syria:				
Beirut.....	July 30.....	2		
Tunis:				
Tunis.....	June 30-July 27....	3	1	
Union of South Africa:				
Orange Free State—				
Grootkom Farm.....	May 7-13.....			One dead plague-infected rodent found. Locality adjoins Tru-cart's Berg Farm, on which plague-infected mouse was found preceding week.
Rendervous Ry. Sta- tion.....	May 14-20.....			Plague-infected wild rodent found near.
On vessels:				
S. S. Ardeola.....	June 25-July 8....			At Liverpool. Four plague-infected rats found dead. Vessel from Las Palmas, Canary Islands, June 26, 1922.
S. S. Dumbear.....	Aug. 5.....	1		At Suez, Egypt, from Island of Mauritius. Patient ill two days before arrival. Declared positive Aug. 6.
Greek vessel.....	July 19.....			At Messina, Italy. Cases on board. Vessel not allowed to enter.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
On vessels—Continued.				
S. S. Legie.....	July 29.....			At Hamburg, Germany. Plague rats found. Vessel from Buenos Aires, Argentina.
S. S. Southgate.....	May 30.....	1		At Thursday Island quarantine, Australia. Vessel left Calcutta May 2; Rangoon, May 9. Vessel badly rat-infested.
S. S. Taisang.....	June 1-3.....	1	1	At Manila, P. I., from Amoy, China. Patient landed at Manila June 1, 1922. The Taisang was 2½ days en route direct from Amoy.

SMALLPOX.

Arabia:				
Aden.....	May 7-June 24.....	69	21	
Do.....	July 2-Aug. 12.....	38	21	
Argentina:				
Rosario.....	June 1-30.....		3	
Asia Minor:				
Smyrna.....	May 14-June 24.....	4		In district.
Do.....	June 25-July 15.....	12		Do.
Bolivia:				
La Paz.....	Mar. 1-Apr. 30.....	97	16	
Brazil:				
Bahia.....	June 25-July 1.....	1	1	
Para.....	May 29-June 25.....	8		
Do.....	July 3-Aug. 20.....	109	1	
Rio de Janeiro.....	May 14-June 24.....	48	12	
Do.....	June 25-Aug. 12.....	57	11	
Sao Paulo.....	Apr. 10-June 11.....	3	10	
British East Africa:				
Kenya Colony.....				Apr. 1-May 31, 1922: Cases, 10; July 9-15, 1922: Deaths, 5.
Dar es Salaam.....	Apr. 16-June 10.....	26		
Do.....	July 16-22.....	1		
Nairobi.....	Mar. 1-31.....	22	2	
Zanzibar.....	May 1-June 10.....	36	6	
Do.....	June 24-July 1.....	2		
Canada:				
Alberta—				
Calgary.....	June 18-24.....	1		
Manitoba—				
Winnipeg.....	May 6-June 17.....	3		
New Brunswick—				
Kent County.....	June 25-July 1.....	2		
Madawaska County.....	June 4-17.....	6		
Ontario—				
Fort William and Port Arthur.....	Aug. 6-19.....	2		
Hamilton.....	July 30-Aug. 12.....	2		
London.....	Aug. 26-Sept. 2.....	1		
North Bay.....	June 3-17.....	2		
Do.....	July 16-Aug. 12.....	3		
Ottawa.....	June 11-July 1.....	17		
Do.....	July 2-Aug. 26.....	14		
Toronto.....	June 18-Sept. 2.....	9		
Saskatchewan—				
Saskatoon.....	Aug. 20-26.....	1		
Ceylon:				
Colombo.....	May 14-20.....	1		
Do.....	July 16-22.....	1		
Chile.....				
Concepcion.....	Mar. 14-June 20.....		71	Prevalent, July 3, 1922, throughout southern Provinces.
Do.....	June 27-July 31.....		17	
Quillon.....				In Concepcion Province: epidemic in May, 1922, with 60 reported cases. To June 5, epidemic.
Do.....	June 27-July 3.....			Epidemic.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile—Continued.				
San Patricio.....	May 16-22.....	13		
Talcahuano.....	May 22-June 24.....	33	19	May 16-22, 1922: Present.
Do.....	June 25-July 30.....	5	7	
Temuco.....				Province of Cautin; epidemic in May, 1922.
Valparaiso.....	Mar. 26-June 19.....		115	Incomplete; several districts not reporting.
Do.....	June 25-July 30.....		46	
China:				
Amoy.....	May 7-20.....			Present June 18-24; 1 death.
Do.....	July 16-22.....			Present.
Antung.....	May 29-June 18.....	4		
Do.....	July 3-16.....	5		
Chungking.....	May 28-June 24.....			Present.
Do.....	June 25-July 29.....			Do.
Foochow.....	May 14-20.....	1		
Hankow.....	June 25-July 1.....	1		
Hongkong.....	May 14-June 24.....	41	32	
Do.....	July 16-22.....	2	2	
Manchuria:				
Dairen.....	May 15-June 18.....	4	1	
Do.....	June 26-July 17.....	4	1	
Harbin.....	May 22-23.....	1		
Mukden.....	June 18-24.....			Present.
Do.....	July 16-22.....			Do.
Nanking.....	May 7-June 24.....			Do.
Do.....	June 25-July 29.....			Do.
Shanghai.....	May 22-23.....	1		Native.
Tientsin.....	May 14-20.....			Present.
Tsingtau.....	May 9-June 18.....	4	3	Including leased territory of Kiaochow, Japanese population along Shantung Railway and Japanese residents, Tsinan.
Do.....	June 26-July 30.....	5	3	Do.
Chosen (Korea):				
Chemulpo.....	May 1-31.....	1		
Fusan.....	May 1-June 30.....	147	60	
Do.....	July 1-31.....	13	9	
Seoul.....	May 1-June 30.....	26	5	
Do.....	July 1-31.....	23	8	
Cuba:				
Antilla.....	June 18-24.....	1		Reported for Preston.
Cienfuegos.....	June 24-July 1.....	1		
Santiago.....	June 1-30.....	3		
Dominica.....	Aug. 5.....			Present. Aug. 23: Epidemic. Island in Leeward Islands.
Dominican Republic:				
San Pedro de Macoris.....	May 21-June 24.....	167	2	City and country. Corrected report.
Do.....	June 25-Aug. 11.....	216	2	City and district. Corrected report.
Santo Domingo.....	June 4-24.....	3	9	Including vicinity.
Do.....	June 25-July 29.....	2	4	July 30-Aug. 5, 1922: A few cases; city and vicinity.
Ecuador.....	July 16-31.....	2		
Egypt:				
Alexandria.....	July 23-Aug. 12.....	2	2	
Cairo.....	Apr. 30-May 20.....	9	3	
Port Said.....	May 7-June 17.....	2		
Finland.....	June 1-30.....	2		
Do.....	July 1-15.....	1		
Fiume.....	June 13-19.....	1		
Do.....	July 10-16.....	1		
France:				
Paris.....	June 1-10.....	1	1	
Great Britain:				
Halifax.....				Outbreak reported under date of June 17, 1922.
Huddersfield.....				Do.
Liverpool.....	Aug. 13-19.....	1		In port hospital.
London.....	July 30-Aug. 19.....	5	1	
Sheffield.....	May 28-June 17.....	5		
Southampton.....	June 18-24.....	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Saloniki.....	May 1-June 25....	3	1	
Do.....	July 17-23.....		1	
Syra Island.....	May 26.....	12	5	
Haiti:				
Cape Haitien.....	June 11-17.....	1		
Plaine du Nord.....	do.....			Vicinity of Cape Haitien. Present.
India.....				Feb. 26-Mar. 25, 1922: Deaths, 1,162 (date of report corrected).
Bombay.....	Apr. 23-June 24....	38	17	Mar. 26-May 20, 1922: Deaths, 6,015. June 4-17: Cases, 1,941; deaths, 651.
Do.....	July 2-8.....	3		
Calcutta.....	Apr. 23-June 24....	84	67	
Do.....	June 25-Aug. 5....	15	12	
Karachi.....	May 23-June 24....	35	9	
Do.....	July 16-Aug. 1.....	14	4	
Madras.....	May 14-June 24....	207	94	June 19-25: Cases, 30; deaths, 15.
Do.....	July 2-Aug. 5.....	234	108	
Rangoon.....	May 7-June 24....	37	16	
Do.....	July 2-Aug. 5.....	28	10	
Japan:				
Kobe.....	June 19-25.....	2		
Taiwan Island.....	June 11-30.....	26	3	
Do.....	July 22-Aug. 10....	27	4	
Yokohama.....	May 29-June 25....	4	2	
Do.....	June 26-July 20....	48	8	
Java:				
West Java—				
Batavia.....	Apr. 28-June 30....	20	3	City and Province.
Do.....	July 9-28.....	18	6	Province.
Luxemburg.....	June 15-30.....	1	1	
Malta.....	May 1-June 15....	4		June 1-30, 1922: Cases, 2.
Mesopotamia:				
Bagdad.....	Apr. 1-June 30....	36	40	
Mexico:				
Chihuahua.....	June 22-July 2.....		1	
Guadalajara.....	May 1-31.....	7		
Do.....	July 1-31.....	4	1	Estimated cases, 4 to 10.
Manzanillo.....	June 6-25.....		1	Estimated.
Do.....	June 27-July 3....	6		Including municipalities in Federal district. Report, June 11-17, not received.
Mexico City.....	May 21-June 24....	129		Including municipalities in Federal district.
Do.....	June 25-Aug. 5....	121		State of Sonora.
Nogales.....	July 22-Aug. 5....	26	3	
San Luis Potosi.....	July 23-Aug. 19....		7	
Torreón.....	July 1-31.....		1	
Panama.....				July 1-31, 1922: Cases, 4, of which 1 in nonresident and not locally reported.
Colon.....	July 1-31.....	2		
Do.....	do.....	1		
Panama.....	do.....	1		
Peru.....				May 1-15, 1922: Cases, 5; deaths; 4. June 1-30, 1922: Cases, 16; deaths, 7.
Poland.....				Mar. 26-June 24, 1922: Cases, 1,210; deaths, 241.
Do.....				June 25-July 1, 1922: Cases, 30; deaths, 9.
Portugal:				
Lisbon.....	May 29-June 25....	6	8	Corrected report.
Do.....	June 26-Aug. 19....	69	39	July 22-Aug. 3: Cases, 19; deaths, 4.
Portuguese East Africa:				
Lourenco Marques.....	July 23-29.....	1		
Portuguese West Africa:				
Angola—				
Loanda.....	June 25-July 1....		1	
Russia:				
Esthonia.....	May 1-June 30....	6		
Lettonia.....	do.....	51		
Senegal:				
Dakar.....	June 1-30.....	4	4	
Spain:				
Barcelona.....	June 22-28.....		1	
Do.....	June 29-July 5....		1	
Corunna.....	June 11-17.....		1	
Huelva.....	Apr. 1-June 30....		4	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain—Continued.				
Seville.....	June 11-17.....	36	.....	Week ended June 11: Many cases.
Do.....	June 18-Aug. 27.....	1	100	
Valencia.....	May 21-27.....	1	.....
Straits Settlements:				
Singapore.....	Apr. 30-June 5.....	11	2	
Switzerland:				
Basel.....	May 28-June 3.....	1	.....
Berne.....	May 14-20.....	1	.....
Do.....	July 9-Aug. 5.....	4	.....
Lucerne.....	July 1-31.....	1	.....
Zurich.....	Apr. 23-June 12.....	9	.....
Do.....	June 25-Aug. 12.....	23	.....
Syria:				
Aleppo.....	June 4-24.....	.....	.....	Present.
Damascus.....	June 18-24.....	.....	2	
Do.....	June 25-Aug. 7.....	12	2	
Tunis:				
Tunis.....	July 17-23.....	1	.....
Turkey:				
Constantinople.....	May 21-June 24.....	21	6	
Do.....	June 25-July 29.....	12	2	
Union of South Africa.....				Apr. 1-June 30, 1922: Cases, 173; deaths, 12 (colored); white, cases, 36.
Cape Province.....				Apr. 1-June 30, 1922: Cases, 87; deaths, 3 (colored); white, 6 cases.
Do.....	June 4-17.....	.....	.....	Outbreaks.
Do.....	June 25-July 15.....	.....	.....	Do.
Natal.....	July 9-15.....	.....	.....	Outbreaks. Apr. 1-May 31, 1922: Cases, 20; deaths, 8 (colored); white, 20 cases.
Orange Free State.....				May 1-31, 1922: Cases, 12; deaths, 1 (colored).
Do.....	June 4-27.....	.....	.....	Outbreaks.
Southern Rhodesia.....	May 11-June 28.....	67	4	
Do.....	June 29-July 12.....	29	.....
Transvaal.....				Apr. 1-June 30, 1922: Cases, 54 (colored); white, 10 cases.
Do.....	June 4-17.....	.....	.....	Outbreaks.
Do.....	July 9-15.....	.....	.....	Do.
Johannesburg.....	May 1-31.....	1	.....
Virgin Islands:				
St. Thomas.....	June 5-18.....	1	1	At quarantine. From vessel from Dominican Republic.
Yugoslavia.....				Sept. 4-24, 1921: Cases, 11; deaths, 4.
Croatia-Slavonia—				
Zagreb.....	June 4-10.....	1	.....
Do.....	Aug. 6-12.....	1	.....
Serbia.....				Oct. 23-29, 1921: Cases, 5.
Belgrade.....	June 11-17.....	1	.....
On vessels:				
S. S. Changsha.....	May 11.....	1	.....	At Hongkong, China. Case landed from vessel; patient, intending passenger. Vessel proceeded to Australian ports.
S. S. Comeric.....	do.....	1	.....	At sea, en route to Durban, S. A., from Sydney, Australia. (Public Health Reports, June 23, 1922, p. 1555.)
Schr. Fancy Me.....	May 28.....	.....	.....	At St. Thomas, Virgin Islands. From San Pedro de Macoris, Dominican Republic. One case removed to quarantine June 5, died June 18.
S. S. Montoro.....	July 8.....	1	.....	At Darwin, Australia. Vessel left Singapore June 28 for Darwin via Java ports: Case, Chinese, developed July 4. Case landed at quarantine; vessel proceeded in quarantine to Sydney, via northern ports.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
On vessels—Continued.				
S. S. Shelley.....	Apr. 19.....	1		At sea, en route from Hongkong. Vessel left Hongkong Apr. 17. Arrived Thursday Island quarantine, Australia, Apr. 28, 1922. Case, member of crew; type, confluent hemorrhagic.
S. S. St. Albans.....	May 18.....	1		At Thursday Island quarantine, Australia. Case in person of Chinese steerage passenger. Vessel left Shimonoseki, Japan, for Melbourne via Hongkong and Manila. Left Thursday Island for Australian ports.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-31.....	16	4	
Oran.....	June 1-30.....	3	1	
Do.....	July 1-Aug. 10.....		3	
Asia Minor:				
Smyrna.....	May 14-June 24.....	8		City and district. Corrected report.
Do.....	June 25-Aug. 5.....	7		District.
Austria:				
Vienna.....	May 7-June 10.....	3	1	
Do.....	July 2-15.....	2	1	
Australia:				
Brisbane.....	July 9-15.....	1		
Bolivia:				
La Paz.....	Mar. 1-Apr. 30.....	15	8	
Bulgaria:				
Sofia.....	May 28-June 17.....	4		
Chile:				
Concepcion.....	Apr. 11-May 29.....		10	
Do.....	June 27-July 31.....		3	
Valparaiso.....	Apr. 2-22.....		6	
Do.....	July 18-24.....		1	
China:				
Antung.....	May 15-21.....	1		
Do.....	July 10-Aug. 6.....	6		
Foochow.....	May 14-20.....	1		
Hankow.....	July 9-15.....	1	1	
Manchuria—				
Harbin.....	May 8-June 11.....	4		
Do.....	June 26-July 2.....	3		
Czechoslovakia:				
Prague.....	June 11-17.....	1		
Danzig (Free City).....	June 4-10.....	1		
Egypt:				
Alexandria.....	June 4-24.....	9	6	
Do.....	June 25-Aug. 8.....	13	5	July 22-29: 1 imported paratyphoid.
Cairo.....	Mar. 19-May 20.....	61	40	Relapsing fever, Mar. 26-Apr. 8: 1 case.
Port Said.....	May 28-June 3.....	1		
Do.....	July 2-Aug. 19.....	1	3	
Germany:				
Berlin.....	Apr. 30-June 24.....		7	May 1-6, 1922: Five cases typhus fever at quarantine station of Osternothafen, in persons returning from Russia.
Do.....	June 25-July 22.....		6	
Coblenz.....	July 2-Aug. 5.....	5		
Königsberg.....	May 28-June 3.....	1		
Stuttgart.....	July 22-Aug. 5.....	1	1	
Greece:				
Saloniki.....	May 1-June 18.....	25	1	2 in Russian refugees.
Mesopotamia:				
Bagdad.....	Apr. 1-June 30.....	7	2	
Mexico:				
Mexico City.....	Apr. 23-June 24.....	111		Including municipalities in Federal District.
Do.....	June 25-Aug. 5.....	68		Do.
Netherlands:				
Amsterdam.....	July 30-Aug. 5.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Norway:				
Christiania.....	Aug. 15.....	1	1	
Province—				
Finmarken.....	July 26-Aug. 5....	12	2	Occurring in 3 localities.
Palestine:				
Jerusalem.....	June 27-Aug. 21....	2		
Persia:				
Teheran.....	Mar. 22-Apr. 22....		1	
Poland.....				Mar. 26-Apr. 22, 1922: Cases, 5,695; deaths, 349. Apr. 23-June 24, 1922: Cases, 9,402; deaths, 631. Recurrent typhus—Mar. 26-Apr. 22, 1922: Cases, 4,515; deaths, 155. Apr. 23-May 6, 1922: Cases, 1,598; deaths, 24. (Corrected report.) May 7-June 24, 1922: Cases, 4,790; deaths, 111. June 25-July 1, 1922: Cases, 625; deaths, 50. Recurrent typhus—June 25-July 1, 1922: Cases, 538; deaths, 17.
Do.....				Among transient and permanent residents.
Warsaw.....	Apr. 23-June 24....	156		
Portugal:				
Oporto.....	May 4-June 24....	9	4	
Do.....	June 29-Aug. 19....	2	1	
Seixal.....	Aug. 4.....	1		Village opposite Lisbon.
Rumania:				Apr. 1-May 31, 1922: Cases, 62.
Cities—				
Bucharest.....	May 1-31.....	14		
Cernauti.....	.....do.....	5		
Chisinau.....	Apr. 1-30.....	21		
Cluj.....	May 1-31.....	18		
Constanza.....	.....do.....	1		
Galata.....	.....do.....	1		
Sulina.....	.....do.....	2		
Provinces—				
Bucovina.....	Jan. 1-31.....	35	13	
Chisinau.....	Apr. 1-30.....	14		Recurrent typhus: Cases, 7.
Transylvania.....	Jan. 1-31.....	16	3	
Russia:				
Esthonia.....	Apr. 1-June 30....	44		
Lettonia.....	.....do.....	635		Recurrent typhus: Cases, 40.
Spain:				
Barcelona.....	July 13-19.....		1	
Madrid.....	May 1-June 30....		16	
Seville.....	May 21-June 3....		1	
Tunis:				
Tunis.....	June 4-10.....	2		
Turkey:				
Constantinople.....	May 21-June 24....	16		
Do.....	July 9-29.....	11	2	
Union of South Africa:				Apr. 1-June 30, 1922: Cases, 1,220; deaths, 214 (colored); white, 17 cases.
Cape Province.....				Apr. 1-June 30, 1922: Cases, 1,037; deaths, 194 (colored); white, 16 cases.
Natal.....				Apr. 1-June 30, 1922: Cases, 57; deaths, 7 (colored).
Do.....	June 25-July 1....			Outbreaks.
Orange Free State.....				Apr. 1-June 30, 1922: Cases, 97; deaths, 10 (colored); white, 1 case.
Transvaal.....				Apr. 1-June 30, 1922: Cases, 29; deaths, 2 (colored).
Do.....	June 18-July 1....			Outbreaks.
Johannesburg.....	May 1-June 30....	7	1	
Yugoslavia:				Aug. 7-13, 1921: 2 new cases. (1921).
Bosnia-Herzegovina.....	Aug. 7-13.....	1		Do.
Croatia-Slavonia.....	Sept. 4-10.....	1		
Serbia—				
Belgrade.....	May 6-June 3....	2		
Volvodina.....	Aug. 7-13.....	1		(1921.)

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 1 to September 22, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
From vessels: S. S. Chios.....	July 18.....	1	.....	At Kavak quarantine station, Bosphorus, from Novorossysk, a Russian Black Sea port. Vessel carried refugees for Saloniki, Greece. Six bodies buried at sea, 12 cases landed at Kavak.
S. S. Smolensk.....	June 14.....	1	1	From Danzig, May 30, 1922. At embarkation detention camp, Southampton, England. Public Health Reports, June 30, 1922, p. 1610.

YELLOW FEVER.

Mexico: Tampico.....	July 27-29.....	1	1	From Panuco. Patient brought to Tampico on eighth day of illness.
Do.....	Aug. 30.....	.....	6	Of these, 5 with origin at Panuco, State of Vera Cruz; 1 with origin at Tampico.